

## San Diego Integrated Regional Water Management *Planning Grant Proposal* *Work Plan*

Attachment 3 consists of the following items:

✓ **Background Setting**

The Background Setting describes the history and collaboration developed through the San Diego IRWM program and what is needed to complete our IRWM Plan Update.

- A. Regional Water Management Group
- B. San Diego IRWM Region
- C. San Diego IRWM Plan
- D. Stakeholder Identification and Coordination
- E. Disadvantaged Communities
- F. Water-Related Objectives and Conflicts
- G. Regional Priorities
- H. Data and Technical Analysis
- I. Resource Management Strategies
- J. IRWM Plan Implementation
- K. Current IRWM Plan Standards

✓ **Work Plan**

The Work Plan provides a detailed scope of work for preparation of the San Diego IRWM Plan Update.

- 1. Outreach and Communication
- 2. Planning Studies
- 3. IRWM Plan Update

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The San Diego IRWM Region is committed to preparing a useful and effective update to our adopted 2007 IRWM Plan that will guide the region's stakeholders in managing water resources for the next 20 years. The IRWM Plan and program have become an essential component of water management in the San Diego Region, as it brings together water providers, wastewater and recycled water managers, flood managers, land use planners, watershed activists, and other stakeholders together to coordinate their activities in a way unprecedented before launch of the State's IRWM grant program.

The **Background Setting** provides an overview and understanding of the San Diego IRWM Region, our stakeholders, and our adopted IRWM Plan. The **Work Plan** provides a detailed scope of work for the stakeholder outreach, planning studies, and Plan Update activities needed to bring the Region's IRWM Plan in line with the State's IRWM Plan Standards.

## Background Setting

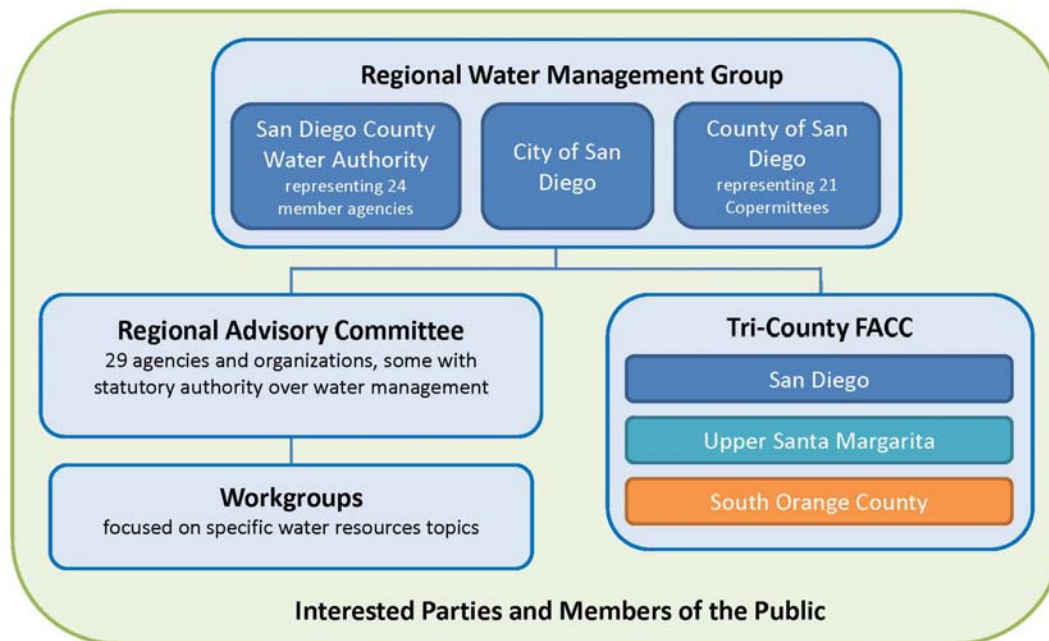
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### A. Regional Water Management Group

The Regional Water Management Group (RWMG) is comprised of the San Diego County Water Authority (Water Authority), City of San Diego (City), and County of San Diego (County). The combined jurisdiction of the three agencies comprises the entire Region, and their combined responsibilities address all facets of water management. The IRWM program also includes numerous water management stakeholders who support IRWM planning and implementation through participation in committees, workshops, and

projects. Figure 1 provides an overview of the organizational structure for the San Diego IRWM program. The Regional Advisory Committee (RAC) and Workgroups provide essential review, guidance, and recommendations to the RWMG on all IRWM planning topics. The Tri-County Funding Area Coordinating Committee (Tri-County FACC) is a collaborative effort among the three neighboring IRWM regions in the San Diego Funding Area to discuss planning and projects of mutual interest. Both of these groups play an important role in providing guidance for the IRWM program.

**Figure 1: San Diego IRWM Organizational Structure**



The RWMG is the group responsible for the day-to-day administration and implementation of the San Diego IRWM program. All three of these public agencies have water management authority within their respective boundaries. **Section A of the IRWM Plan** describes the water management responsibilities of each agency and their role in the RWMG.

Since their formation in 2004, the RWMG agencies have jointly developed and adopted a series of Memorandums of Understanding (MOUs) to outline their roles and responsibilities in management of the IRWM program:

- In June 2005, the three RWMG agencies jointly adopted an *MOU for the IRWM Grant Program for FYs 2005-2009*, outlining their agreement to develop and submit a Proposition 50 grant application, develop and adopt an IRWM Plan, and identify and prioritize water management projects for the grant cycle(s).
- In June 2007, the three RWMG agencies jointly adopted an amendment to the MOU (FYs 2005-2009) to expand funding support for the Proposition 50 grant application, stakeholder outreach and coordination, and collaboration with the Regional Advisory Committee (RAC).
- In March 2009, the three RWMG agencies jointly adopted a new *MOU for the IRWM Grant Program for FYs 2009-2013*, outlining their commitment to implementing and updating the IRWM Plan, administering the Proposition 50 grant contract, and applying for Proposition 84 and Proposition 1E funding (refer to Attachment 1).

In accordance with terms set forth in their MOU (FYs 2009-2013), the three RWMG agencies are equal partners in management of the IRWM program. The three agencies share equally in the costs to administer IRWM planning activities. The RWMG also recognizes that cooperation and input from

stakeholders throughout the region is a necessary part of an effective IRWM program, regardless of their ability to pay. As a result, the RWMG has assumed a leadership role in identifying stakeholders and soliciting stakeholder input for the IRWM program.

Figure 2 presents the jurisdictional boundaries of the three RWMG agencies. The combined jurisdiction of the three agencies comprises the entire Region, and the water supply service areas of the Water Authority and City cover all urbanized portions of the Region. Table 1 summarizes water management responsibilities of the three RWMG agencies.

Because the Water Authority, the City, and the County serve multiple water management roles within the Region and are involved in a number of region-wide coordination efforts, they are the appropriate agencies for managing the IRWM program. As documented in **Section B of the IRWM Plan**, depending on regional hydrologic conditions, between 70 and 90 percent of the Region's water supply is provided through the Water Authority. The City of San Diego is the Region's largest retail water agency, its largest municipal wastewater agency, and is involved in water management within six of the Region's eleven hydrologic units. The County is involved in watershed planning efforts in all but one of the Region's hydrologic units. The City and County together provide wastewater service to a sizable majority of population within the Region. Further, the City and County are the key Copermittees in the regional urban runoff management program. The City and County are also responsible for land use planning and regulation within the majority of the Region's lands.

**Table 1: Summary of Water Management Responsibilities of RWMG**

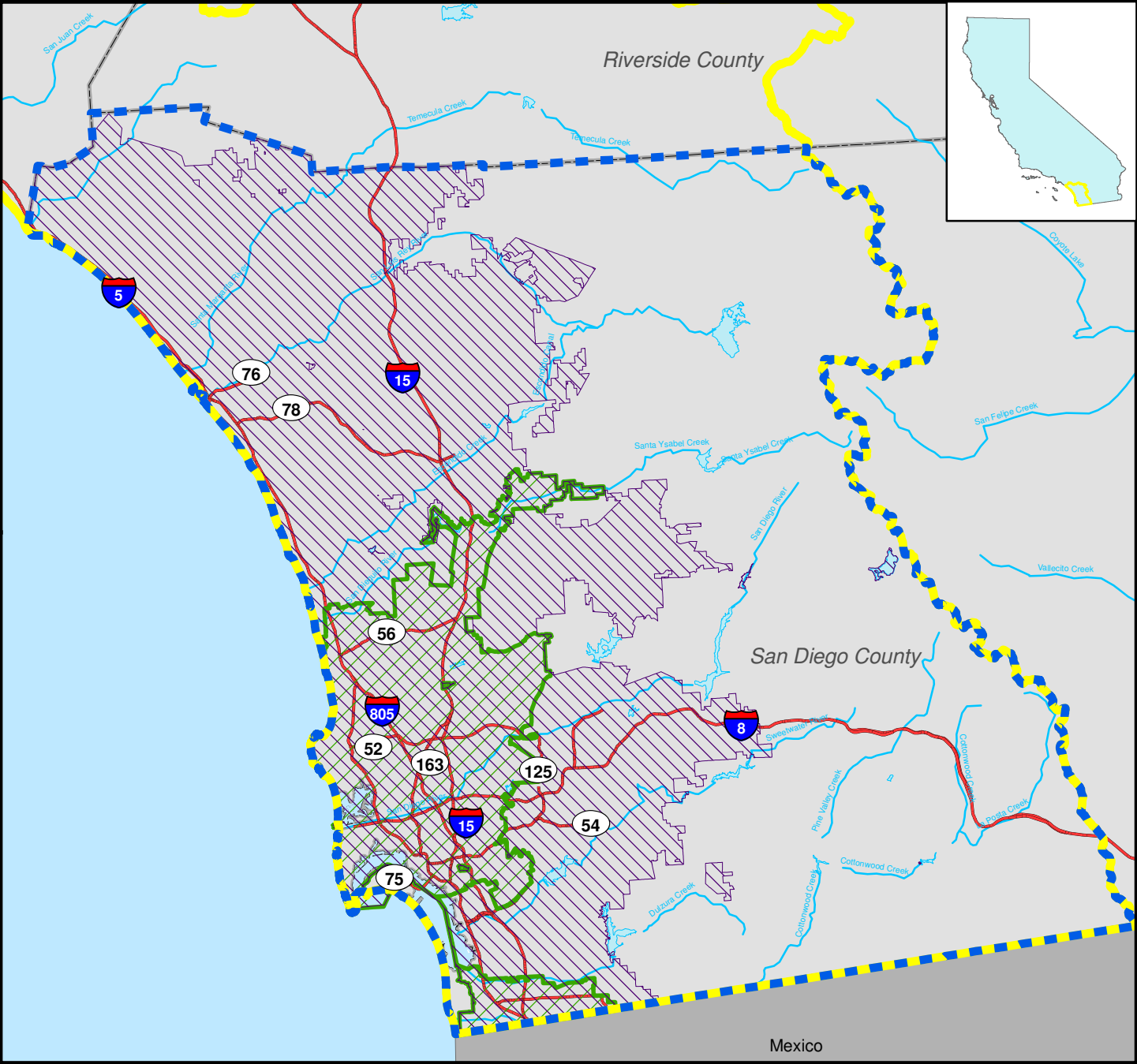
Water Management Category	San Diego County Water Authority	City of San Diego	County of San Diego
Imported Water Delivery	•		
Water Supply Infrastructure	•	•	•
Water Supply Planning	•	•	○
Storing Raw Imported Water	•	•	
Stormwater Capture and Reuse	○	•	•
Groundwater Supply	○	•	•
Wastewater Treatment		•	•
Recycled Water Supply	○	•	•
Water and Recycled Water Regulation			•
Public Health Regulation			•
Municipal Stormwater NPDES Management		•	•
Flood Management and Control		•	•
Watershed Protection		•	•
Land Use Control and Management		•	•
Multiple Species Conservation Planning		•	•
Parks and Recreation		•	•

- Direct water management involvement
- Provides planning support

## B. San Diego IRWM Region

The San Diego IRWM Region, as defined by the 2007 IRWM Plan and approved RAP Application, includes the portion of San Diego County that is tributary to coastal waters. The Region contains diverse water resources including streams, rivers, lagoons, impoundments, groundwater, and the ocean.

Figure 2: Regional Water Management Group Boundaries



**Legend**

- San Diego IRWM Region
- Water Authority Service Area
- City of San Diego
- Funding Area Boundary
- County
- Ocean
- Waterbody
- River
- Freeway
- Mexico

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## Region Boundaries

The San Diego Region consists of eleven parallel and similar hydrologic units within San Diego County that discharge to coastal waters. The Region boundaries were initially considered on the basis of regulatory and jurisdictional boundaries, similarities in hydrology and watershed characteristics, and a common imported water supply. As such, the Region established the following boundaries: the drainage divide to the east, international border to the south, coastline to the west, and County border to the north.

Advantages of the proposed San Diego Region boundary include scalability, in the sense that local water management agencies can and do engage with stakeholders within an accessible geographic range. The proposed Region maintains the benefits of existing outreach structures and, because of its compact size, ensures that interested parties may attend local meetings and workshops. Proposed coordination structures (i.e., Tri-County FACC) will ensure partnerships are established where appropriate and planning efforts are not duplicated across regions. The sections below provide additional explanation of the approved San Diego Region.

## Water Supply

In 2008, approximately 88 percent of the Region's water supply was imported. Seventy-six percent of this water – a blend of State Water Project (SWP) and Colorado River Aqueduct (CRA) supplies -- was purchased by the Water Authority from the Metropolitan Water District of Southern California (MWD). The rest of the supply also came from the Colorado River, resulting from a conservation and transfer agreement between the Water Authority and Imperial Irrigation District (IID) and the lining by the Water Authority of the Coachella Canal. The Water Authority – whose service area is located entirely within the County – serves as the water wholesaler for its 24 member agencies. The Water Authority's member agencies serve approximately 98 percent of the County's residents. The Region will gain several new water supplies in the near future. It will receive water resulting from the Water Authority's lining of the All-American Canal beginning later this year. Construction of the 50 MGD Carlsbad Desalination Plant will provide the Region with a secure and reliable local water supply. The Region's imported water supply infrastructure runs from north to south across watershed and jurisdictional boundaries within the County and requires coordination among local agencies and entities to address water supply, water quality, and habitat issues.

## Groundwater

Groundwater production in the San Diego Region is limited by lack of storage capacity in local aquifers, availability of groundwater recharge, and degraded water quality. The Water Authority does not utilize groundwater extraction to meet member agency needs. Several local water agencies, including Padre Dam Municipal Water District (MWD) and Helix Water District, are collaborating on conjunctive use and recycled water recharge projects to expand groundwater capabilities. Others, including Camp Pendleton, City of Oceanside, and Sweetwater Authority, engage in groundwater extraction and disinfection. However, groundwater extraction and recharge facilities are localized within the Region.

## Recycled Water

Water recycling (developing a usable water supply from wastewater) is an important component of the Region's local water resources. The Region's tertiary treated recycled water, which is suitable for all landscape and agricultural irrigation uses, is produced at 17 reclamation facilities within the County. Recycled water supplies from these facilities are reused for landscape irrigation and industrial cooling within the Region boundary or discharged to deep ocean outfalls.

## Land Use and Planning

The Region is located entirely within San Diego County, which makes coordination of land use and environmental planning effective. The County and eighteen incorporated municipalities have local land use authority, including the cities of Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach, and Vista. SANDAG, the regional planning and transportation agency, is comprised of the 18 cities and County government. The Port of San Diego is governed by a seven-member Board of Port Commissioners, including one commissioner each from the cities of Chula Vista, Coronado, Imperial Beach and National City, and three commissioners from the City of San Diego. The



San Diego County Regional Airport Authority, which ensures adoption of land use plans that protect public health and safety surrounding all 16 of the county's airports, is governed by an appointed board of nine members who represent all areas of San Diego County and three ex-officio members.

#### **Hydrologic Characteristics**

The Region includes eleven parallel hydrologic units draining to the Pacific Ocean, seven of which comprise watersheds for major rivers and four of which are comprised of a series of small watersheds that drain to common coastal waters. Each of the Region's east-west trending hydrologic units flow from elevated regions in the east toward coastal lagoons, estuaries, or bays in the west. Each of the hydrologic units features similar habitats at similar elevations, and share habitat restoration and protection needs. A significant majority of the volume of surface flow in each of the hydrologic units is comprised of runoff from seasonal precipitation that predominantly occurs during the winter and spring months. Surface flows during summer and fall months are typically low, and consist largely of urban runoff, agricultural runoff, and surfacing groundwater.

#### **Wastewater**

Wastewater generated in the Region is either locally recycled or exported to one of the regional ocean outfall disposal systems. The Region's urban wastewater agencies have organized – both through the formation of JPAs and through interagency contracts – into five multi-jurisdictional wastewater systems based around the Region's five deep-water ocean outfalls. This shared infrastructure requires a high level of collaboration and coordination between local agencies within the Region. Further, the Region's agencies are collaborating with IBWC to address trash and wastewater pollution in the shared Tijuana River watershed.

#### **Water Quality and Stormwater Regulation**

The Region is entirely within the jurisdiction of the San Diego Regional Water Quality Control Board (Region 9 among the Regional Boards). Water quality and wastewater discharges within the Region are regulated by policies and regulations established in the Regional Board's Water Quality Control Plan for the San Diego Basin (Basin Plan). Ocean and marine water quality is regulated by policies and regulations established in the Basin Plan, Ocean Plan, and Enclosed Bays and Estuaries Plan.

Municipal stormwater runoff within the Region is regulated through a single National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Permit (MS4 Permit) issued by the Regional Board to 21 Copermittees (Order No. R9-2007-0001, NPDES CAS0108758), with the County of San Diego designated as the Principal Copermittee. Two of the three RWMG agencies (the County and City of San Diego) comprise the largest land area among the 21 regulated Copermittees.

#### **Natural Communities**

The Region is considered a 'hot spot' for containing rare, threatened, and endangered plant species. Led by the County, the Region has established the San Diego County Multiple Species Conservation Program (MSCP) and its three subarea plans. These plans identify the most important areas for conservation of threatened or endangered species and serve as a basis for state and federal permits to take listed species in exchange for conserving their habitat.

### **C. San Diego IRWM Plan**

The San Diego IRWM Plan was completed in mid-2007 by the RWMG, RAC, and stakeholders throughout the region. This IRWM Plan represents the first step in bringing the Region's stakeholders together to:

- identify and discuss the Region's complex water management issues, challenges, and conflicts,
- establish goals and objectives that define the Region's water management needs,
- identify and prioritize water management projects, programs, and plans that help achieve the goals and objectives,
- work together to fund and implement the prioritized projects, programs, and plans, and

- monitor implementation progress in achieving the goals and objectives and adapt the Region's water management efforts to meet changing water management needs.

The Water Authority Board of Directors adopted the IRWM Plan on October 25, 2007, along with amendments on January 24, 2008 and January 13, 2010. The City Council adopted the IRWM Plan on December 18, 2007. The County Board of Supervisors adopted the IRWM Plan on November 7, 2007 (see Exhibit A).

The adopted IRWM Plan is available to all stakeholders and interested parties on the program website: [www.sdirwmp.org](http://www.sdirwmp.org).

## D. Stakeholder Identification and Coordination

The San Diego IRWM Region has developed an extensive public outreach and participation process to ensure all relevant stakeholders are engaged in the IRWM planning process. Additionally, the RWMG has undertaken targeted outreach to DACs. Existing outreach mechanisms – utilizing the RWMG, RAC, website, email, and public workshops – will continue to be employed as a means for ongoing outreach efforts during the IRWM Plan Update.

A list of stakeholders actively involved in IRWM program was included in **Appendix 14 of the IRWM Plan** and updated in **Section 2 of the RAP Application**. Substantial outreach to new stakeholders, interested parties, and DACs has occurred since adoption of the Plan. Implementation of the *Public Outreach and Disadvantaged and Environmental Justice Community Involvement Plan* (2007) has enabled broad public support for the water management projects included in the Proposition 50 Implementation Grant Application and the ongoing IRWM program activities.

Since adoption of the IRWM Plan, the RWMG has developed an email distribution list specifically for the IRWM program. The RWMG uses the stakeholder email list to communicate regularly with those actively involved in RAC meetings and activities. At key decision points, however – such as project solicitation for upcoming funding cycles and/or IRWM Plan update topics – announcements will be made to a broader audience (e.g., through Project Clean Water) to ensure that all interested parties are at the table. Additional stakeholders are identified through the ongoing RAC meeting process, through ongoing stakeholder outreach activities, or from referrals from other interested parties.

### Stakeholders and Interested Parties

Although not members of the RWMG, other stakeholders and interested parties are an integral part of the IRWM program. These agencies, organizations, and individuals help to guide the direction and vision of the program. Broad stakeholder outreach has been consistently pursued in order to engage members of the public and other interested parties in the IRWM planning process.

#### Regional Advisory Committee

The RAC was formed in December 2006 to assist in completion of San Diego's first IRWM Plan and prioritization of projects both within the Plan and for future funding application(s) as they arise. As memorialized in the MOU that established the San Diego IRWM Program, the RWMG incorporates the RAC's recommendations in documents prepared for presentation to the RWMG's governing bodies. The



San Diego Regional Advisory Committee

RAC currently consists of 28 voting and 4 non-voting members with expertise in water supply, wastewater, recycled water, stormwater and urban runoff, natural resources, and environmental stewardship. The RAC composition provides diverse representation from various functional areas related to water management (three RWMG, five retail water agencies, six natural resources and watersheds organizations, four water quality representatives, nine at-large members, two resources agencies, and two Tri-County FACC representatives). The RWMG agencies are represented by only three voting seats.

The RAC has played a critical role in shaping and developing such key elements of the IRWM Plan as goals and objectives, long-term targets, the proposed institutional structure, and project prioritization. During IRWM Plan development, the RAC met on a monthly basis to review Plan progress and provide comments and guidance on key Plan elements. Additionally, the RAC guided the Region during development of its Proposition 50 Implementation Grant Application.

The RAC currently meets on a bi-monthly basis to provide guidance on upcoming IRWM planning and funding application activities. The RAC may be convened more frequently, as needed, for planning and funding proposals. **Section 5 of the RAP Application** provides a detailed discussion of the roles and responsibilities of the RAC.

### Workgroups

Workgroups are formed, as needed, to enable participants in the IRWM program to work through particular topics and develop recommendations for the larger group. The RAC receives Workgroup recommendation(s) and subsequently makes its final recommendation(s) to the RWMG governing bodies. Workgroups members are nominated by the RAC and are not required to be RAC members; interested parties and members of the public are welcome given they have relevant experience and perspective to actively contribute to Workgroup decisions. Three Workgroups, described below, have been formed to date to support the IRWM program. **Section 2 of the RAP Application** provides a listing of members in each Workgroup.

- **Proposition 50 Project Selection Workgroup.** This Workgroup was established to develop a package of water management projects for inclusion within the Proposition 50 Implementation Grant application. Several representatives from each of the RAC functional areas were nominated to participate in the Workgroup. The Workgroup determined that project evaluation should be based on how well the projects relate to the IRWM Plan (i.e. how well they accomplish Plan objectives and targets) and how well they can demonstrate integration with other projects. The Workgroup's final proposal package included 25 water management projects. (Note: The Proposition 50 grant package was ultimately reduced to 19 projects by project proponents (one dropped) and DWR, in collaboration with the RWMG and RAC.)
- **Watershed Planning and Outreach Workgroup.** This Workgroup was formed to provide direction on outreach and coordination with watershed groups and DACs. Workgroup objectives include development of guidance for watershed groups on identifying competitive multi-benefit projects for the IRWM grant cycle(s), identification of critical water supply and water quality needs for DACs within the Region's watersheds, and development of new strategies for stakeholder outreach and coordination. One representative from each of the Region's eleven hydrologic units was sought to join the Workgroup.
- **RAC Membership Workgroup.** This Workgroup was formed to define a membership policy for RAC members, in order to ensure consistent attendance and participation in regional water planning activities. An affirmation statement was developed and distributed to all RAC members.
- **Proposition 84 Project Selection Workgroup.** This Workgroup was established to develop a package of water management projects for inclusion within the Proposition 84 Implementation Grant application. Several representatives from each of the RAC functional areas were nominated to participate in the Workgroup. This Workgroup is currently meeting on a weekly basis to review recent project submittals.



### *Interested Parties*

In addition to announcing public workshops and other milestones through the Project Clean Water email list, the RWMG maintains an extensive email database of interested parties to the IRWM program (approximately 120 parties). Many of these interested parties are agencies with statutory authority over water management, including City of San Marcos, City of Oceanside, Rainbow MWD, Escondido Creek Conservancy, City of Vista, University of California-San Diego, Resource Conservation District of Greater San Diego County, Port of San Diego, and many others.

These interested parties participate in development and implementation of the IRWM Plan through attendance at RAC meetings and workshops, as well as submittal of public comments and one-on-one communication with RWMG and RAC members. Many of these interested parties have projects that were evaluated and prioritized for funding within the adopted IRWM Plan and/or Proposition 50 Implementation Grant application.

Through Project Clean Water and other regional outreach efforts, the RWMG has invited many of the known entities involved in water resources management in coastal San Diego to join the IRWM planning effort. Further, during the RAP process, the RWMG sent an email invitation to additional agencies and organizations to participate in the IRWM program. The San Diego IRWM program strives to be a collaborative process that involves all interested parties and individuals.

### *Tri-County FACC*

The Upper Santa Margarita RWMG, San Diego RWMG, and South Orange County RWMG collaborate in an inter-regional body established via MOU and known as the Tri-County Funding Area Coordinating Committee (FACC):

- **Riverside County Upper Santa Margarita RWMG** includes the following members: Riverside County Flood Control and Water Conservation District (RCFCWCD), County of Riverside, and Rancho California Water District (RCWD).
- **San Diego RWMG** includes the following members: City of San Diego, County of San Diego, and San Diego County Water Authority.
- **South Orange County RWMG** includes the following members: County of Orange, Municipal Water District of Orange County (MWDOC), and South Orange County Wastewater Authority (SOCWA).

The Tri-County FACC enables the three RWMGs to balance the necessary autonomy of each planning region to plan at the appropriate scale with the need to improve inter-regional cooperation and efficiency. It ensures close coordination of the three planning regions to improve the quality and reliability of water in the San Diego Funding Area. The three RWMGs will work together with their advisory groups to identify cross-boundary projects and common programs of value across planning regions and align project implementation. **Sections 5 and 8 of the RAP Application** provide further detail on the Tri-County FACC's planning and funding agreements.

The Tri-County FACC builds a foundation that ensures sustainable water resources planning within the Funding Area. The three RWMGs commit to coordinated planning within the Watershed Overlay Areas – one comprising the San Mateo Creek watershed area and the other the Santa Margarita River watershed area – which cross planning region boundaries. This approach will capture the integration of water supply, wastewater, and watershed planning across regions in the three coordinated IRWMs.

Each of the Tri-County FACC members has prepared and adopted an IRWM Plan and desires close coordination to enhance the quality of planning, identify opportunities for supporting common goals and projects, and improve the quality and reliability of water in the San Diego Funding Area. The Tri-County FACC will coordinate and work together with their advisory groups to address issues and conflicts across planning regions, identify common objectives and projects that address those needs, and provide general planning cooperation for shared watersheds.

## Stakeholder Outreach Activities

Stakeholders and members of the public have been and continue to be invited to participate in all meetings for the IRWM planning effort. Public participation is welcomed at RAC meetings and public workshops. Members of the RWMG or RAC are available to make presentations on the IRWM program at community or non-profit group meetings. Stakeholder participation was also provided through public review and comment on draft versions of the IRWM Plan.

Meetings and news updates have been announced through both the website and through the email distribution list. Standard templates and forms have been provided throughout the process to facilitate stakeholder comments and input into the process and the Plan. **Section 3 of the RAP Application** contains a log of all outreach activities conducted for the San Diego IRWM program.

### Website

A website has been established as a means of communication with stakeholders, interested parties, and the general public. It serves as a consistent and ongoing outreach method that is always available to the public. The San Diego IRWM website ([www.sdirwmp.org](http://www.sdirwmp.org)) provides detailed and up-to-date information on the IRWM program, including the following:

- Downloads of the 2007 IRWM Plan files;
- Description of all IRWM Projects, those selected for the Proposition 50 grant application, and those proposed for the Proposition 84-Round 1 grant application;
- Description of regional participation (including the RAC, Workgroups, and public workshops) and meeting materials;
- Explanation of the various funding bills;
- RWMG agency contacts; and
- Resource links, including adjacent IRWM Plan efforts.

### Stakeholder Email

A stakeholder email list has been established as a means of communication with stakeholders, interested parties, and the general public. The RWMG maintains the email list to provide IRWM program updates, announcements, RAC meeting agendas and summaries, water-related workshops and seminars, and updates from DWR.

### Newsletters

During IRWM Plan development, a newsletter was developed and distributed to all 830 people on the Project Clean Water stakeholder list. The newsletters served as a means of keeping the stakeholders updated on legislative issues, funding opportunities, status of the IRWM Plan, opportunities for involvement, and information about project submittals, a timeline, and RWMG agency contact information. Additional newsletters will be distributed as appropriate during the IRWM Plan Update and potential future grant application(s).

### RAC Meetings

Members of the public are welcome to attend and participate in bi-monthly RAC meetings, generally hosted at the Water Authority offices. The RAC meeting schedule for the entire calendar year is distributed to all RAC members and interested parties via the stakeholder email list. RAC meeting agendas are distributed to all RAC members and interested parties one week in advance of each bi-monthly meeting, while the meeting summaries are distributed approximately two to three weeks following each RAC meeting. Further, the RAC meeting schedule, agendas, handouts, presentations, and meeting summaries are all located on the San Diego IRWM website ([www.sdirwmp.org](http://www.sdirwmp.org)) for reference.

### Public Workshops

The RWMG coordinated three initial public workshops and provided presentations to various stakeholder groups including water supply agencies, environmental organizations, and other groups regarding various components of the IRWM Plan. The three initial workshops were held during August 2006 and were

advertised through the website and the stakeholder email list. Each workshop was held in a separate location, spread geographically throughout the Region. The purpose of the workshops was to inform and educate the public about the background of IRWM planning, and to receive public feedback regarding the vision, goals and objectives of the IRWM Plan.

A second round of public workshops was held in April, June, and August 2007 to facilitate a 'Call for Projects' for the IRWM Plan and Proposition 50 Implementation Grant application. The public workshops were advertised through the website and the stakeholder email list, and were also held in varied locations throughout the County. The second round of workshops sought to provide members of local water supply, wastewater, stormwater, environmental, and community organizations with information about the IRWM Plan prioritization process, the proposed approach to funding application prioritization, and explanation of the Project Application Review form. The third public workshop provided an update on the Proposition 50 grant program (Cycle 2) and an introduction to the upcoming Proposition 84 grant program.

A third round of public workshops was hosted once the Proposition 84 guidelines were released and a new 'Call for Projects' began. Two workshops were hosted in June 2010 to encourage project proponents to submit projects for Proposition 84-Round 1 funding. Each workshop was held in a separate location, spread geographically throughout the Region, and in the evenings to encourage participation by DAC members. A third workshop was hosted in August 2010 to encourage project proponents to identify integration opportunities and improve the projects submitted for funding consideration.

Finally, a fourth round of public workshops will be hosted when the IRWM Plan Update begins (see **Task 1-3 in the Work Plan**). The public workshops are open to the public and are particularly targeted toward non-RAC members. During the fourth round of workshops, the RWMG will target outreach to DACs in both urban and rural areas. This ensures contribution from a wide range of public agencies, organizations, and individuals in the IRWM program.

#### **Speakers Bureau**

The RWMG welcomes the opportunity to attend meetings hosted by local organizations to present information on the IRWM program. The primary focus of the individual group presentations has been to provide attendees with information about the IRWM planning process, the Plan's purpose and objectives, and the project solicitation process. Presentations typically last 15-45 minutes and generally include the use of PowerPoint presentations, maps, informational handouts, and forms for submitting comments and or projects. IRWM presentations will continue to be given upon request by any agency, organization, or community group. Input received during presentations is taken back to the RWMG for consideration, and typically, the participants are added to the stakeholder email list.

## **E. Disadvantaged Communities**

As described in **Section N of the IRWM Plan**, the San Diego area experienced significant growth since World War II. During this period, the Region became a major port and industrial growth in the Region boomed. This rapid growth and development led to unhealthy land use combinations. In many areas, especially those areas located in the south, southeastern, and border areas of the Region, residential areas and industrial zones were integrated. The juxtaposition of homes and schools adjacent to environmentally hazardous facilities has resulted in situations where communities are threatened by the past and present impacts of industrial pollution. Water-related impacts include the deposition of airborne industrial and manufacturing contaminants into surface waters and the degradation of groundwater from land contamination. In addition, following the war, establishment as a major port led to the boom of the shipbuilding and boating industries; these industries have contributed significantly to the pollution of waterways.

### **Mapping and Identification**

In the IRWM Plan, environmental justice is interpreted to mean that equal respect and value will be provided to every individual and community. As defined in both the 2004 and 2007 versions of the *IRWM Grant Program Guidelines*, a DAC is a community with an annual Median Household Income (MHI) that is less than 80% of the statewide annual MHI (DWR and State Board 2004; 2007). The statewide MHI for

the year 2000 was \$46,000. Therefore, communities with a MHI of \$37,520 (80% of \$46,000) are considered DACs.

The IRWM Plan used various geographical designations, including cities, County of San Diego community planning areas (CPAs), and City of San Diego CPAs. However, the use of larger planning areas can at times cause smaller portions of the planning area that are economically disadvantaged to be overlooked. The RWMG recently analyzed MHI values on a census tract basis to identify smaller DACs for outreach. **Section 3 of the RAP Application** provides a detailed listing of census tracts within the Region that are classified as economically disadvantaged. Figure 3 illustrates the disadvantaged census tracts within the Region; Figure 4 focuses on the disadvantaged census tracts within the center city areas.

Consistent with the recommendations of the *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan*, actions are underway to identify specific locations of DACs throughout the Region. In addition to identifying communities meeting the State's MHI definition of disadvantaged, this comprehensive analysis will also consider areas that are recognized as economically disadvantaged by the Region's planning agencies but do not meet the State's MHI definition. The RWMG is working closely with local DAC advocates to determine the most appropriate way to define DACs for the Region.

Watersheds tributary to San Diego Bay include several underserved communities including the communities of Barrio Logan, Harbor, Southeast San Diego, and Centre City. The San Diego Bay watersheds have been subject to such problems as toxic air emissions from plating industries, polluted waterways from sewage spills, and pollution resulting from the shipbuilding and boating industry. Additionally, infrequent rains lead to a high level of pollution buildup in urban runoff when storm events do occur.

The IRWM program promotes projects that address public health and environmental protection in a manner that encourages equity and affords fair treatment, accessibility, and protection for the Region, regardless of race, age, culture, income, or geographic location. By sorting the master project list geographically, and comparing it to the mapped DACs by census tract, project deficits can be identified and addressed.

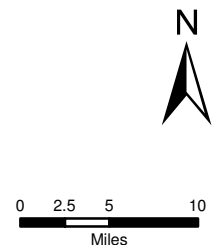
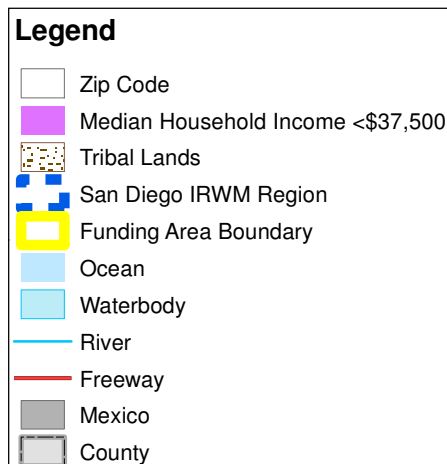
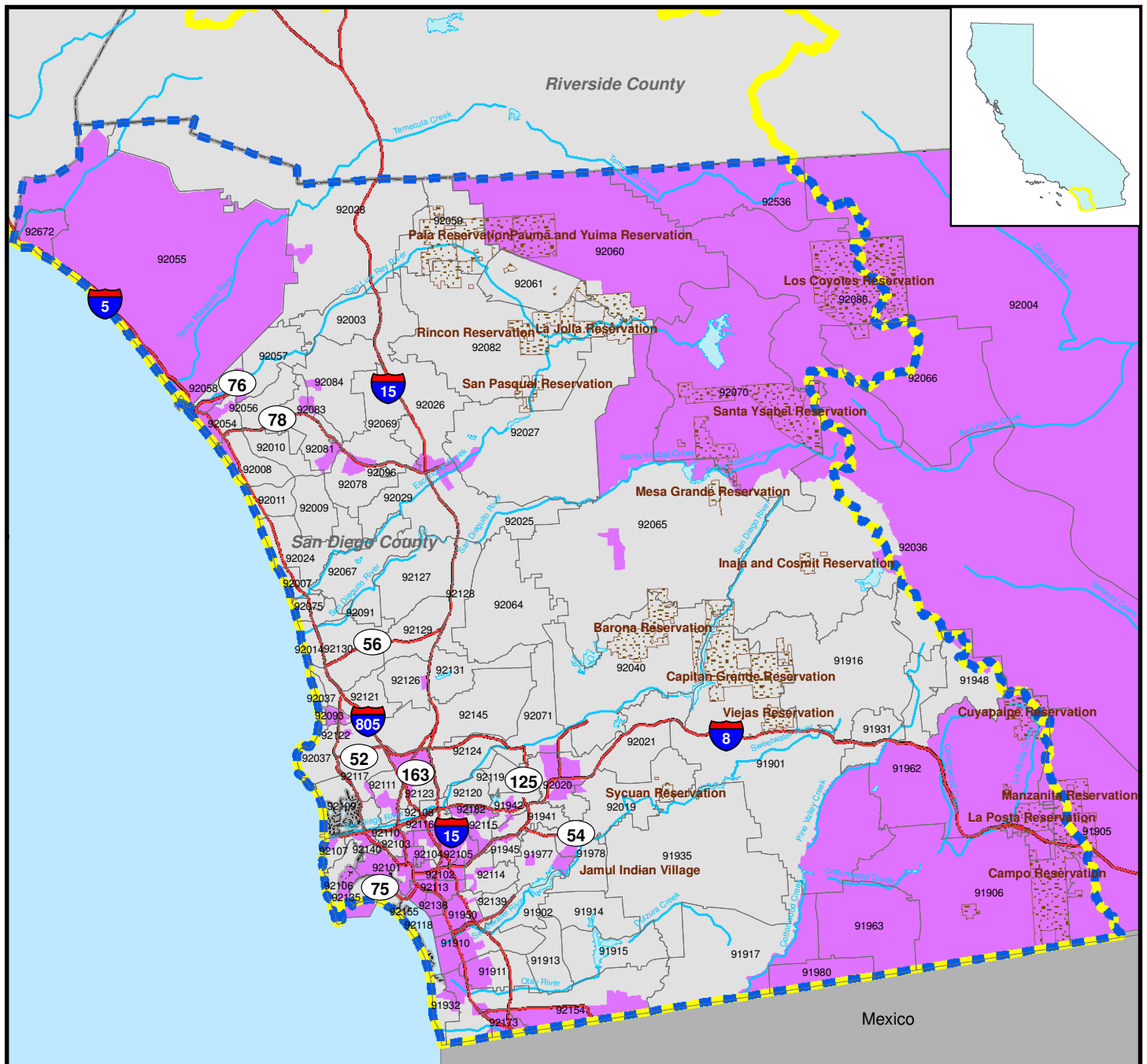
### DAC Outreach Strategies

Outreach to DACs is complex – some economically disadvantaged areas are not well represented by stakeholder groups and a few are not represented at all. If organized groups exist within the identified DACs (such as Groundwork San Diego-Chollas Creek in the Pueblo hydrologic unit), the RWMG and RAC members have reached out to invite participation in the IRWM program. For example, RWMG staff recently gave a presentation on the IRWM program to the emerging Chollas Creek Project Implementation Group. If no organized group exists, however, outreach is coordinated through the water agencies and municipalities serving those areas in order to identify water resources projects that provide DAC benefits. The RWMG also is working to establish lines of communication with rural DACs that depend on groundwater.

The Watershed Planning and Outreach Workgroup was established in December 2008 to further clarify critical water supply and water quality needs in the Region's watersheds, and to identify outreach strategies that will bring DAC leaders to the table to engage in projects and partnerships that help to solve those critical needs. The Workgroup's products will help the Region understand and address the challenges faced by local DACs.

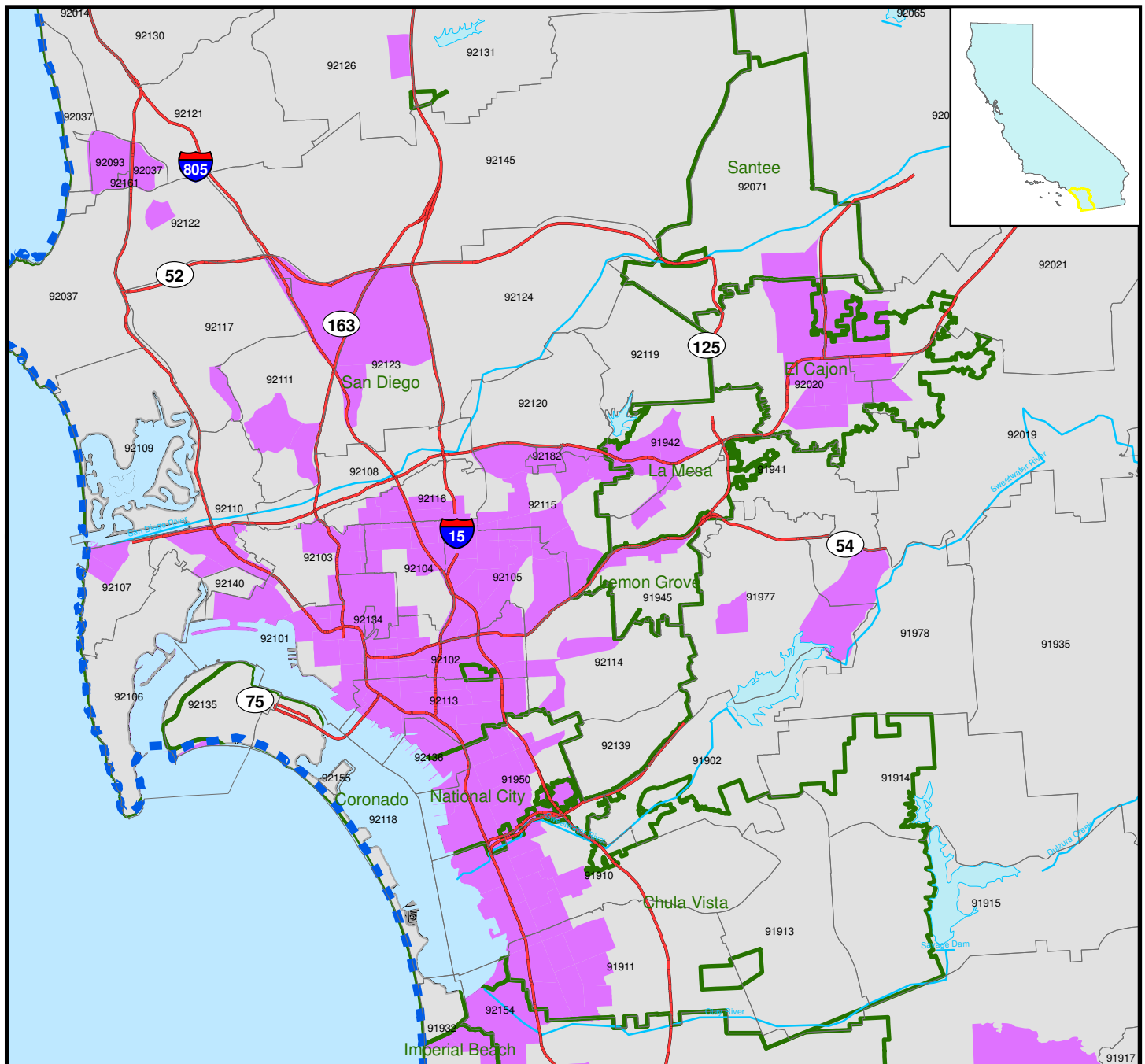
The methods being employed to gain participation of DACs in the development of the IRWM Plan were described in **Sections B, F, N, O, and Appendix 8 of the IRWM Plan**. The following sections summarize those identified in the IRWM Plan, as well as outreach strategies that have been suggested by the Workgroup. The RWMG will continue to work with the Workgroup to develop and implement a watershed outreach strategy that targets DACs. The RWMG intends to build on DWR's support for targeted DAC outreach, DAC participation in IRWM planning, technical assistance, feasibility studies, and construction.

**Figure 3: Disadvantaged Communities**





**Figure 4: Disadvantaged Communities - Center City**



**Legend**

- Zip Code
- Median Household Income <\$37,500
- Cities
- San Diego IRWM Region
- Ocean
- Waterbody
- River
- Freeway
- County



0 1 2 4  
Miles

**RMC**

### **Coordination with San Diego Association of Governments (SANDAG)**

SANDAG is the regional planning agency responsible for generating the regional growth projections upon which the Water Authority and member agencies base their UWMP demand calculations. SANDAG has been an active participant in the RAC and other IRWM-related planning activities. Coordination with SANDAG will assist the RWMG in surveying the Region's economically disadvantaged communities, monitoring changes to these communities, and identifying their needs.

### **One-on-one Communication between DAC Leaders and RWMG/RAC Representatives**

The RWMG and RAC have contacted community leaders within the DACs, as well as organizations that support rural water systems, and asked to work with them to identify the current state of their water-related resources. This one-on-one correspondence will ensure that DACs have access to the planning process, allowing their input to be incorporated and their interests to be represented early-on, prior to project implementation. Additionally, critical needs of the DACs which are identified through these discussions will be translated into long-term targets for the Plan and potential projects.

The Watershed Planning and Outreach Workgroup has also approached the Rural Communities Assistance Corporation (RCAC), California Department of Public Health, and County Department of Environmental Health for lists of rural mutual water companies and other organizations that may be targeted for outreach. Many of these rural water companies face groundwater quality concerns, as they're outside of the Water Authority's service area.

### **DAC Representation on the RAC**

To ensure consideration of diverse views, RAC membership includes organizations that identify and address DAC and environmental justice issues. San Diego CoastKeeper and RCAC are both members of the RAC and also active in addressing key DAC projects within the Region. CoastKeeper is identified in **Section N and Appendix 8 of the IRWM Plan** as a disadvantaged community and environmental justice advocacy organization. CoastKeeper also works with the Environmental Health Coalition on their San Diego Bay campaign which unites workers, bayside communities, and conservationists to clean up, restore, and protect the Bay.

### **Strategic Location of Public Meetings**

To overcome financial constraints that may prevent DACs from traveling to public meetings, public meetings related to the planning and implementation of the IRWM Plan will be hosted in disadvantaged areas to the greatest extent feasible. This recommendation was included in the *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan*.

### **Targeted Presentations**

The Watershed Planning and Outreach Workgroup has suggested conducting targeted presentations to community and stakeholder groups in DACs. Preliminary suggestions included presentations and brainstorming for project ideas at Watershed Urban Runoff Management Program (WURMP) meetings, conducted as part of the regional MS4 Permit. Because WURMP activities target specific watershed areas, group members may be able to offer ideas and suggestions about water quality needs in underprivileged neighborhoods.

Additionally, the Workgroup developed guidance for the current Proposition 84 grant cycle(s), for distribution to DACs and other stakeholders. The handout, which was provided to stakeholders at the public workshops, included information about the 'Call for Projects' and contracting topics. This handout was also used in targeted meetings with DAC representatives to explain the purpose of IRWM and help them to formulate integrated, multi-benefit projects that address their critical water resources needs.

## **F. Water-Related Objectives and Conflicts**

The San Diego Region faces a variety of water management issues and challenges, many common to other IRWM regions in the State. Prolonged drought, regulatory restrictions on pumping by the SWP, increased salinity, and environmental concerns are triggering the need for alternative local supplies and associated debate. However, the establishment of a regional forum for discussion of water resources topics – through the IRWM program – has broken down the historical silos in water management. RAC

members and interested parties from diverse functional areas (water supply, wastewater, natural resources, and at-large) are coming together on a bi-monthly basis for healthy debate and discussion. The information-sharing occurring at these RAC meetings has led to greater collaboration and support for resolving Regional issues.

## Partnerships

The RWMG formed a formal partnership through the signing of an MOU in 2005, an amendment in 2007, and a new MOU in 2009. Without the IRWM planning process, the three agencies comprising the RWMG may not have come together to work toward achieving common goals in water resources management. Since the formation of the RWMG, many positive outcomes have been realized. Aside from the sharing of ideas and funds, the group has found many other ways to collaborate, such as participating on the Water Conservation Action Committee, getting involved with regional groundwater management planning, developing a regional guidance for low-impact development, and developing and implementing a watershed signage program.

The RAC, an informal partnership, has realized many benefits including opening the lines of communication between various water-related agencies and organizations, and providing opportunities to collaborate, maximize benefits, and realize both a cost savings and improvement in program/project efficiency. RAC members also are briefed periodically on issues of interest, such as watershed-based planning and the impact of water supply reductions on San Diego County agriculture. In addition, several public participants to the IRWM process have established a regular presence at workshops and RAC meetings, and have provided constructive feedback. These entities include representatives from the U.S. Bureau of Reclamation, the Regional Board, Metropolitan, the Campo-Lake Moreno Planning group, the Zoological Society of San Diego County, the La Jolla Band of Luiseño Indians, and numerous public citizens.

The Tri-County FACC is a formal partnership established in April 2009 through joint adoption of an MOU outlining measures for inter-regional coordination (Exhibit B). The efforts of the Tri-County FACC are intended to enhance the quality of water resources planning and to improve the quality and reliability of water in the Funding Area. This partnership, which would not have otherwise occurred, is a unique opportunity to collaborate with neighboring planning regions to address common objectives, issues, and conflicts.

## Water Related Conflicts

Several water-related issues and conflicts were identified and described in **Section 7 of the RAP Application**. Through the relationships established by the IRWM program, many of these conflicts are being addressed or at least discussed. The following is a brief summary of select local conflicts and the collaborative efforts being undertaken to address them:

- **Drought** -- In 2007, the Water Authority adopted a Drought Management Plan that outlined the stages of water supply conditions and a series of potential actions to take at each stage when faced with a shortage of imported water supplies from MWD. The Water Authority adopted a model Drought Response Ordinance in March 2008. Water Authority member agencies have used the model ordinance to updating their own codes to help provide consistency in drought response levels and water conservation requirements throughout the region. The IRWM Plan Update will address drought preparedness and water conservation (see **Task 3-6 in the Work Plan**) in its goals and objectives, Region description, and resource management strategies. Updating the IRWM Plan to more fully address water conservation, conjunctive use, recycling, basin management, and system interties will fully implement DWR's Statewide Priority "Drought Preparedness".
- **Salinity** -- Salinity in both local and imported supplies will continue to be a challenge for local water agencies. To address the salinity problem, the Southern California Salinity Coalition (SCSC), led by MWD and consisting of water and wastewater agencies in Southern California, was formed in 2002. SCSC's purpose is to coordinate salinity management strategies and programs, including research projects, with water and wastewater agencies throughout Southern

California. The Water Authority has recently partnered with the SCSC to fund development of Salinity and Nutrient Management Planning Guidelines to help guide local water managers in development of basin-specific salt and nutrient management plans in accordance with the State's Recycled Water Policy (see **Task 2-2 in the Work Plan**). In the IRWM Grant Program Guidelines, DWR endorses salinity and nutrient management planning under Statewide Priority "Protect Surface Water and Groundwater Quality". The San Diego IRWM Region and our Tri-County FACC partners are collaborating on development of several salinity and nutrient management plans throughout the Funding Area.

- **Indirect Potable Reuse** -- Indirect potable reuse (IPR) occurs when advanced treated recycled water is discharged either into a groundwater aquifer or surface water body that ultimately supplies an area's drinking water system. In the City's Water Reuse Study (2006), several City reservoirs were evaluated for reservoir augmentation concept projects. Consideration of the various IPR options was resulted in substantial public debate. Although reclaimed water has been used successfully in many parts of the U.S. to meet non-potable water needs, citizens are just beginning to understand and accept the use of highly treated reclaimed water for potable uses. Through the course of the IRWM program, key supporters (City of San Diego) and opposition (CoastKeeper, Chamber of Commerce) were able to better understand the IPR proposal and reach agreement on its benefits. Continuing this dialogue will help the Region's water providers to implement DWR's Statewide Priority "Use and Reuse Water More Efficiently".
- **Desalination** -- Desalination involves the removal of salts, minerals, and other biological or organic chemical compounds to produce a high quality water supply. A 50 MGD seawater desalination plant at the Encina Power Station in Carlsbad will be on-line by 2011. In addition to effects on marine resources, operation of desalination plants would require the use of a substantial amount of energy. Energy consumption indirectly increases the Region's reliance on fossil fuels and emissions of GHGs. However, the energy requirements of a desalination plant must be weighed against the amount of energy required to pump water from the Delta to Southern California. Numerous environmental groups have opposed construction of desalination plants, while others support desalination as a means to increase the Region's supply of highly reliable local water. A regional discussion of the benefits of desalination, including water supply reliability during prolonged drought, has occurred through the course of the IRWM program.
- **Tijuana River Valley** -- The Tijuana River watershed is classified as a Category I (impaired) watershed by the State Water Resources Control Board due to a variety of water quality problems, including sewage, urban runoff, fertilizers and pesticides, and illegal dumping of toxics by industries and businesses in Mexico. The MS4 Permit requires the County, the City of San Diego, and the City of Imperial Beach (Tijuana Copermittees) to collaborate to address surface water quality for the Tijuana River watershed. By identifying and targeting the various causes of pollution within the watershed through a collaborative process, the Region strives to improve water quality and protect the beneficial uses that the watershed provides.
- **Santa Margarita River** -- The Santa Margarita River watershed has been subject to over 80 years of water rights litigation, studies, and hearings. In 1990, the "Four Party Agreement" between Rancho California Water District (RCWD), FPU, Eastern MWD, and Camp Pendleton attempted to address the conflict through discharge of recycled water to the Santa Margarita River for groundwater recharge. However, the ongoing conflict now involves uncertainty about meeting Regional Board effluent standards, which dictates the ability of RCWD to discharge into the watershed. The new partnership between San Diego and Riverside county agencies via the Tri-County FACC is helping to address those conflicts.

As key issues and conflicts are brought to light in the San Diego Region, the RWMG hosts guest presentations and panel discussions at bi-monthly RAC meetings. Any RAC members may suggest a topic for presentation and all suggestions are generally accepted. This process of raising and discussing key issues allows all viewpoints to be heard among the various water managers. Over time, as solutions are found and conflicts are resolved, the IRWM program becomes and stronger and stronger forum for conflict resolution.

## G. Regional Priorities

Through the IRWM planning process, the San Diego region has engaged stakeholders across several areas of water resources management to identify short- and long-term priorities for the region and to prioritize projects for implementation. This section presents the process for prioritizing IRWM projects, as well as the short- and long-term implementation priorities. The RWMG and RAC serve as primary authors for identification of regional priorities, through discussion and input provided at bi-monthly meetings. This process of identifying short- and long-term priorities will be revisited by the RAC and a technical workgroup in the IRWM Plan Update (see **Task 3-4 in the Work Plan**).

### Short-Term and Long-Term Priorities

The RWMG, RAC and regional stakeholders identified water supply reliability, water quality protection, and natural resource protection as critical management needs for the Region. In response to these needs, goals and objectives were established, along with measurable targets designed to track progress toward achieving each objective. The RWMG, RAC, and stakeholders then developed several regional priorities to focus efforts to meet the objectives of the Plan. These priorities were based on an assessment of the short- and long-term actions necessary to maintain the regional planning efforts currently underway.

#### Short Term Priorities

Short term priorities are those actions necessary to address immediate areas of need that have been identified through RWMG and RAC meetings and public workshops. The short-term priorities presented in the IRWM Plan were envisioned to be completed within the next 3-5 years. Achieving these priorities will continue to move implementation of the Plan forward and ensure that the Plan is representative of the Region's needs and responsive to key regional issues such as environmental justice and imbalances in prior planning efforts. These priorities are listed below; the Region's progress in accomplishing them is described under **Section J: Plan Implementation** below.

- Implement priority projects and programs that support the Region's IRWM goals and objectives.
- Formally establish a long-term institutional structure to guide the ongoing development and implementation of the San Diego IRWM Plan.
- Implement and update (as needed) a Public Outreach Plan that ensures key stakeholders and affected parties are informed and engaged in IRWM planning and implementation.
- Establish a regional, web-based system for sharing, disseminating and supporting the analysis of water management data and information.
- Complete a needs assessment and develop recommendations for addressing existing deficiencies in the technical and scientific foundation of San Diego Basin Plan beneficial uses and water quality objectives.
- Complete an updated assessment of local water management plans to ensure effective and upfront input from these plans during all phases of IRWM planning and implementation. Where planning deficiencies are identified, address these deficiencies as part of the IRWMP update process.
- Revise the IRWM Plan and publish the Second Edition of the San Diego IRWM Plan.

Implementation of these short-term priorities will help to ensure that IRWM Plan implementation proceeds in a coordinated manner, the benefits of Plan implementation extend throughout the Region, and the Region makes inroads toward achieving the vision of the IRWM Plan.

#### Long Term Priorities

Long-term priorities for IRWM Plan implementation were also identified through RWMG and RAC meetings and public workshops. These priorities include maintaining an effective institutional structure; maintaining public involvement and achieving the regional goals and objectives. In general, the Region's long-term priorities revolve around identification and implementation of solutions to address the many



diverse, complex, and widely geographically distributed water management challenges facing the San Diego Region. The Region's progress in accomplishing them is described under 'Plan Implementation' below.

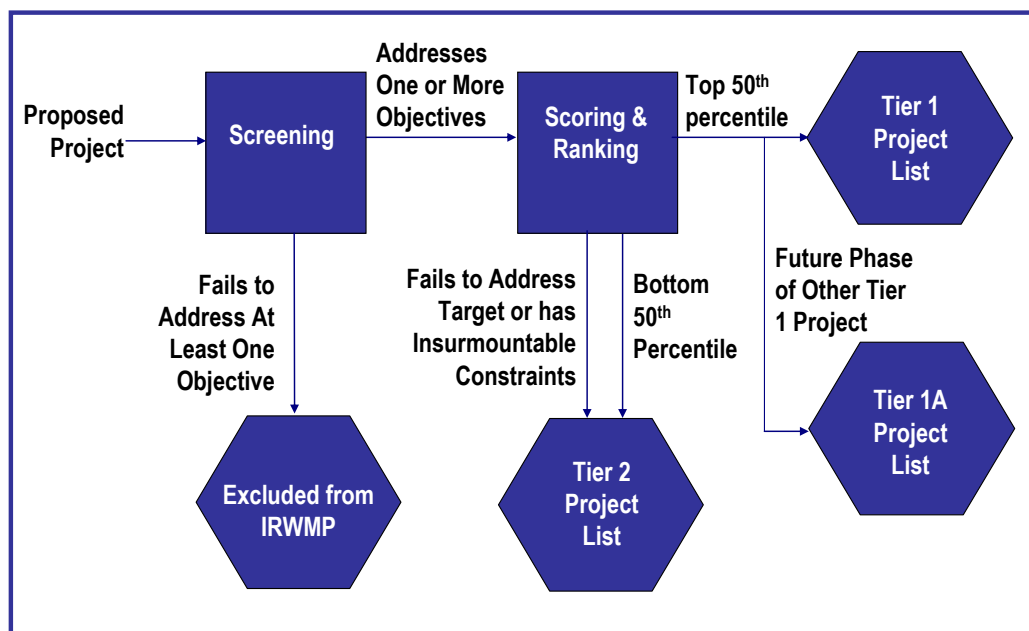
## Project Prioritization

The project prioritization process used in the San Diego region is described in **Section F of the IRWM Plan**. In order to identify candidates for implementation, the San Diego RWMG and RAC set forth an open call for water resource management projects for consideration for the IRWM Plan. Entities across the Region submitted projects addressing a wide variety of needs through integration of a number of water management strategies. Together, these projects incorporate all of the water management strategies outlined in the IRWM Plan. While all of these projects are considered to be important to effectively manage water resources in the Region, a prioritization process has been established to help manage the project list and to determine which projects best meet Regional needs. The immediate result of the prioritization process is to create a list of Tier 1 projects that will be considered for meeting short-term priorities. The long-term utility of the prioritization process will be to allow a ranking of projects for implementation using a transparent and defensible method that will encourage the development of projects that are best suited to meeting the identified needs of the Region.

### Prioritization Process Overview

Projects submitted through the open 'Call for Projects' were prioritized using a two-step screening and scoring approach, presented in Figure 5. This prioritization process was used in the IRWM Plan, selection of projects for the Proposition 50-Round 2 Implementation Grant application, and is being used for selection of projects for the Proposition 84-Round 1 Implementation Grant application.

**Figure 5: Prioritization Process Overview**



As shown in this figure, projects were first evaluated for consistency with the Regional objectives. In order to be included within the IRWM Plan or funding applications, projects had to address at least one Regional objective; these projects were then scored and ranked. Project scoring was developed to rate projects on their ability to do the following:

- contribute to regional goals and objectives;
- integrate multiple water management strategies;

- provide multiple benefits
- benefit the entire region;
- synergize with other projects;
- benefit disadvantaged communities;
- address environmental justice needs;
- build upon other local and regional planning efforts; and
- foster partnerships among entities.

Through a consensus process, the RWMG and the RAC established the relative importance of each of these criteria. The approach to scoring projects and the relative importance of each criterion is presented in **Table F-1 in the IRWM Plan**. Based on the outcome of this evaluation, each project was assigned a score for each criterion, for a maximum score of 100 per criterion. The total project score was developed by multiplying the score for each criterion by the percentage of total score. Projects were then ranked, with the highest-scoring project ranked number one.

Following the scoring and ranking, projects were evaluated for their ability to contribute to the Region's measurable targets, shown in **Section C of the IRWM Plan**. If a project failed to contribute to at least one measurable target, it was automatically moved to Tier 2. Projects determined to be capable of meeting at least one measurable target were then reviewed to identify any insurmountable constraints associated with project implementation. For example, if the project proponent did not have authority to actually implement the project, or if there were known legal or regulatory constraints that would prevent the project from moving forward, the project was deemed unready to be considered for implementation, and it was moved to Tier 2 to undergo additional development and enhancement.

After completing the above screening process, the top 50<sup>th</sup> percentile of ranked projects was identified as Tier 1 projects. The projects within the bottom 50<sup>th</sup> percentile were moved to Tier 2. Any Tier 1 projects that were identified as a subsequent phase (e.g. Phase 2) of another Tier 1 project were moved to Tier 1A to indicate that the projects would not be considered for implementation until the preceding phase of the project is implemented and/or completed.

This exercise in the IRWM Plan was the first time that all types of water management projects within the San Diego Region have been assembled in a prioritized list. This process will provide for improved coordination and project understanding among the stakeholders involved in water management. In assembling this list, RWMG and RAC members identified the need to ensure that the project proponents provide an even-level of project information. For the IRWM Plan, the RWMG developed and distributed an application form to gather key information on individual projects. The RWMG hosted public workshops in 2007 to work with project proponents to review the application form and provide guidance prior to the project submittal deadline.

More recently, the RWMG developed an online project database that stakeholders can access and input their project information into. The project database was created to make project information publically accessible to all stakeholders at any time. In doing this, stakeholders are encouraged to review other projects and identify potential partnerships and integration opportunities. The project database was used for the recent solicitation for Proposition 84 projects, along with a series of public workshops to ensure that stakeholders understood the fields in the database and the criterion used to rank projects into tiers. Working with the project proponents in this way ensured consistent representation and evaluation of implementation projects.

#### ***Funding Application Prioritization***

**Section F of the IRWM Plan** presented the prioritization process used to identify a top tier of priority projects. While this process ranked projects based on ability to address Regional objectives and other criteria, the process does not identify specific groups of projects for which funding should be sought. The reason for this is twofold: first, prioritizing projects for a specific funding application in the Plan would limit the versatility of the prioritization process for use in identifying projects for future funding opportunities;

and second, as the IRWM Plan is intended to be a living document, the prioritization process should remain flexible, such that it may be adapted to changing regional needs.

A supplemental prioritization process is implemented to identify appropriate projects from the Tier 1 project list to be included in future funding applications as they arise. This process was used in the selection of projects for the Proposition 50-Round 2 Implementation Grant application, and is being used for selection of projects for the Proposition 84-Round 1 Implementation Grant application. The details of this process are fluid, and should reflect the specific needs and requirements of the given funding opportunity. The following are likely to be included as criteria for prioritizing high priority projects for inclusion in funding applications.

- *Program Preferences.* Funding programs frequently outline specific goals and objectives. Projects selected for inclusion in a funding application should conform to the details of the specific funding program.
- *Regionalism.* Some projects may have only local beneficiaries, while other projects may have beneficiaries that span the entire Region. Projects with Region-wide beneficiaries may be preferable to those with only local beneficiaries when applying for funding as a region. Alternatively, projects within a single geographic region may be coupled with projects in other geographic regions to achieve geographic balance overall.
- *Degree of Benefit.* The degree and scale of benefit provided by a project may be an important deciding factor in prioritizing projects for funding.
- *Degree of Negative Impact.* Though a project may provide significant benefits, the degree and scale of negative impacts caused by a project may be an important factor in prioritizing projects for funding. These negative impacts may be secondary or cumulative, or may occur over a longer time or distance.
- *Contribution to Measurable Targets.* The Region has developed specific, measurable targets for several areas of water resources management. Contribution to achieving these or other measurable targets may be a consideration in prioritizing projects for funding.
- *Cost-effectiveness.* As the cost of doing business continues to increase, agencies are challenged to identify cost-effective solutions. Both short- and long-term cost-effectiveness, as well as potential externalized costs to the public, may be a factor for consideration in funding application prioritization.
- *Readiness to Proceed.* Some funding opportunities require projects to be at a specific point in development, such as design or construction, while other opportunities may be targeted toward planning-level projects.
- *Amount Leveraged.* Implementation of a specific project may allow other projects to move forward. In this way, by funding a single project, multiple projects are enabled. This ability to leverage other projects may be one potential screening criterion considered in developing a funding application.

As appropriate, the Project Selection Workgroups will incorporate these and other prioritization criteria to narrow the pool of high priority projects from the Plan-level prioritization to develop funding applications. These criteria may be applied in multiple ways. Some prioritization criteria are essential to a project's success in achieving the Region's objectives and/or being eligible for funding, and others are necessary to ensure that Regional projects also line up with the State's program preferences. The criteria used, and precise method for applying the criteria, are determined by the Project Selection Workgroup designated by the RAC for each specific funding opportunity.

### ***Managing the IRWM Project List***

Periodic updates to the list of water management projects must be made as new funding opportunities arise. Updating the project list allows additional projects to be added, as project concepts are refined to address changing conditions and needs in the Region. This opportunity also enables the project sponsors to revise their project submittals as necessary.

The San Diego IRWM project list was included in the Plan as Appendix 5. The IRWM project list is now available 'live' on the online project database, so project sponsors to review and update at any time. Any project sponsor may submit a project for inclusion in the Plan and/or an upcoming grant opportunity. This makes it easier for sponsors to add or revise projects, integrate their projects with others, or add additional features so the projects provide multiple benefits. As funding opportunities are pursued, the RWMG announces a new 'Call for Projects' with a submittal deadline. The Project Selection workgroup then ranks, tiers, and reviews the submitted projects and recommends which ones to include within a grant application. All grant applications, including projects proposed for funding, are submitted to the RAC for its consideration and recommendation. The ultimate approval of the application and projects submitted for funding lies with the Water Authority's Board of Directors, the agency authorized to submit grant applications on behalf of the RWMG.

## H. Data and Technical Analysis

Data and information management is an essential element of the IRWM planning and management process. An effective data management strategy must address several key objectives:

- *Support for IRWM Planning* -- Data and information must support ongoing IRWM planning and decision-making. Through the planning process, a basis can be established for evaluating the performance of individual projects, programs, and the Plan as a whole, as well as for supporting statewide data needs and integration with regional and statewide programs.
- *Evaluation of Project, Program, and Plan Performance* -- Projects and programs must be periodically evaluated according to established criteria to monitor their progress and evaluate their success. Collective IRWM Plan progress and performance must also be evaluated, and the results of these evaluations used to provide feedback into the ongoing planning process.
- *Facilitation of Public Participation* -- Dissemination of data and information to stakeholders and the public is critical to ensuring their ongoing participation in IRWM planning and implementation activities.

### Data Management and Dissemination

A considerable variety of water and environmental resource data are collected throughout the Region. With limited exception, ownership and responsibility for the management of data resides with the parties that collect them (i.e., permitted dischargers, NGOs, research institutions) and/or that require their collection (i.e., permitting agencies). The overall intent of the Region's IRWM data management strategy is to augment these existing efforts in a way that allows regional leaders, stakeholders, and the public to effectively use data and information to support planning, decision-making, and public education and involvement.

For a regionally focused effort, two fundamental approaches to data management include (1) distributed and (2) centralized. Distributed approaches rely on the parties or organizations that collect data to also be responsible for other aspects of their management (storage, quality assurance/quality control (QA/QC), analysis, and dissemination). Centralized approaches are those which emphasize a single entity or location for any or all of these data management functions. Depending on the scale considered, some data management systems can be considered both distributed and centralized elements.

The IRWM Plan utilizes a combination of both approaches. Most data management functions will continue to reside with the primary data owners or peripheral data centralization systems. Rather than duplicate these functions, the proposed data management system will build on them through the augmentation of the San Diego IRWM website ([www.sdirwmp.org](http://www.sdirwmp.org)). All IRWM Plan data and information is publicly accessible through the website. While every effort is made to ensure open, public access to data used in the Plan performance assessment, confidentiality agreements may be required to obtain a portion of the data used to support Plan assessment. In these cases, data availability is managed in a manner consistent with the terms of the individual confidentiality agreements. Further development and augmentation of the website is being explored with the stakeholders, agencies, and the general public to determine the scope and extent of desired functionality.

## I. Resource Management Strategies

The IRWM planning process, by nature of encouraging multi-benefit water management projects, is the Region's foremost effort to develop integrated programs and projects. Through development of the IRWM Plan and associated Proposition 50 Implementation Grant proposal, agencies and organizations throughout the Region developed new partnerships and combined water management strategies into integrated projects. The 160 projects included within the 2007 IRWM Plan demonstrate the Region's efforts to develop integrated programs and projects. The online project database contains additional efforts to develop and implement multi-benefit programs and projects to manage water in the Region.

As noted in **Section A of the IRWM Plan**, numerous water management plans have been developed by individual or multiple agencies or groups within the Region to address water supply, water quality, ecosystem and habitat protection, recreation, and land use controls. However, many of the plans overlap in geography, scope, or agency jurisdiction. Challenges to addressing water management issues identified within these local plans include: competing objectives among plans; unequal geographical representation; jurisdictional conflicts; regulatory constraints; and environmental impacts.

The IRWM program provides a process to address and resolve conflicts within local plans through a collaborative regional effort. Additionally, the IRWM Plan may prove useful in addressing environmental and regulatory issues on a regional basis.

### Resource Management Strategies Considered within IRWM Plan

As noted in **Section D of the IRWM Plan**, the IRWM plan builds upon existing plans developed by local agencies or organizations for managing water resources within the Region. The IRWM Plan incorporates water management strategies proposed by regional agencies and groups that are directed toward achieving conformance with the designated IRWM Plan goals and objectives.

The Region's water management strategies must be considered within the regulatory framework (and applicable water quality standards) established by the Regional Board, State Board, and U.S. EPA. This regulatory framework addresses water quality protection issues through: establishing and enforcing Basin Plan water quality objectives, establishing and enforcing Ocean Plan water quality standards, the 303(d) impaired water quality listing process, and the TMDL process.

### Basis for Selecting IRWM Plan Strategies

In accordance within this framework, the RWMG and RAC employed the following criteria in selecting water management strategies for inclusion within the IRWM Plan:

- The strategy must be addressed within one or more of the Region's existing water, wastewater, land use, habitat, land conservation, watershed, stormwater, recreation, erosion control, or flood management plans.
- The strategy must directly support attainment of one or more of the IRWM Plan objectives.

### Selected IRWM Plan Strategies

As noted, many of the Region's major water management plans have been reviewed and specific water management strategies proposed within the plans have been identified. It is possible to identify other strategies within the Region's local plans by the general nature of the plan itself. (For instance, the Region's flood management plans address flood management strategies, and the Region's land use plans address land use.) As a result, it was possible to confirm in the IRWM Plan that all but two of the *California Water Plan 2005 Update* strategies are addressed in the Region's local water management plans. This review and confirmation process will be repeated in the IRWM Plan Update as it relates to new resource management strategies identified in the *California Water Plan 2009 Update* (see **Task 3-6 in the Work Plan**).

Table 2 summarizes the strategies selected for inclusion in the Plan and identifies which of the thirty selected strategies help attain each of the nine IRWM Plan objectives. As shown, each of the selected water management strategies directly supports attainment of two or more IRWM Plan objectives. Further, two or more of the selected strategies support each of the IRWM Plan objectives.



**Table 2: IRWM Plan Objectives Supported by the Selected Water Management Strategies**

Water Management Strategy Selected for Inclusion in the IRWM Plan	IRWM Plan Objectives Supported by the Water Management Strategy								
	A. Maximize Stakeholder/ Community Involvement and Stewardship	B. Effectively Obtain, Manage and Assess Water Resources Data	C. Further Technical and Scientific Foundation for Water Management	D. Develop, Operate, and Maintain a Diverse Mix of Water Resources	E. Construct, Operate, and Maintain Reliable Water Infrastructure	F. Reduce Negative Effects of Hydromodification / Flooding	G. Reduce Pollutant Sources and Environmental Stressors	H. Protect, Restore and Maintain Habitat and Open Space	I. Optimize Recreational Opportunities
Agricultural lands stewardship			○			●	●	●	
Agricultural water use efficiency	○		○	●	○		○		
Groundwater management		○	○	●	○			●	
Conjunctive use		○	○	○	○				
Conveyance				●	●				
Seawater desalination		○	○	●	○				
Potable water treatment and distribution				●	●				
Economic incentives	○	○		○	○	○	○	●	○
Ecosystem restoration	○	○	○			○	○	○	○
Ecosystem preservation	○	○	○			○	○	○	○
Env. and habitat protection and improvement	○	○	○			○	○	○	○
Wetlands enhancement and creation	○	○	○			○	○	○	○
Floodplain management	○	○	○			●		○	○
Groundwater aquifer remediation	○	○	○	●					
Matching quality to use		○	○	○					
Pollution Prevention	○	○	○				●	○	●
Water quality protection and improvement	○	○	○				○	○	○
Wastewater treatment <sup>1</sup>	○	○	○				○	○	
Recharge area protection			○					●	
Recycled water		○	○	●	○				
Regional surface storage				○	●				○
Reoperation and reservoir management		○	○	○	●				○
Urban land use management	○	○	○			●	●	●	○
Urban runoff management	○	○	○			●	●	○	●
Urban water use efficiency	○		○	●	○		○		
Water transfers				●					
Water-dependent recreation and public access	○	○	○				○	○	●
Watershed management and planning	●	●	●	○		●	●	○	○
Stakeholder/community involvement	●	●	●	○	○	○	○	○	○
Water resources data collection and mgt.	●	●	●	○	○	○	○	○	○
Enhance scientific and technical knowledge	●	●	●	○	○	○	○	○	○

- Water management strategy primarily and directly supports attainment of the IRWM Plan objective
- Water management helps achieve the IRWM Plan objective

## J. IRWM Plan Implementation

**Section G of the IRWM Plan** summarizes actions required to implement short-term priorities and begin the process of addressing the Plan's short- and long-term priorities. A series of implementation action plans were developed to implement the priorities. The Region's progress toward applying these actions is described below.

### Implementation Actions for Short-Term Priorities

The following seven designated short-term Plan priorities were addressed through a series of actions over the last two and one-half years since Plan adoption, as well as proposed activities in this San Diego IRWM Planning Grant Proposal. Table 3 provides a summary of how the Region's short-term priorities are being implemented.

- **Implement priority projects and programs that support the Region's IRWM goals and objectives.** Addressing the water supply, water quality, and natural resources challenges facing the San Diego Region will require implementation of projects targeted to address these issues. The Region has developed and used a prioritization process to identify a top tier of projects ("Tier 1") capable of providing a wide variety of water management benefits to the Region. To the extent that funding is made available, high priority projects are selected for implementation from the Tier 1 project list based on their ability to best address the Region's needs, achieve the objectives, and contribute to the measurable targets. The RWMG convened a Proposition 50 Project Selection Workgroup to select a suite of implementation projects for a successful \$25 million grant application, and is currently under contract and implementing those priority projects. The RWMG recently convened a Proposition 84 Project Selection Workgroup to select a suite of projects for the upcoming funding application. Implementation of priority projects with Proposition 84 funding will further facilitate accomplishment of our Regional goals and objectives.
- **Formally establish a long-term institutional structure to guide the ongoing development and implementation of the San Diego IRWM Plan.** The RAC and RWMG were jointly responsible for IRWM Plan development. As outlined in the MOU, the RWMG and RAC were to work together to establish and transition to a long-term institutional structure to replace the existing RWMG/RAC arrangement after Plan adoption. However, in December 2007, the RAC indicated support for the existing institutional structure and the RWMG agreed to commit funding support through the Proposition 84 planning grant (approximately 2 fiscal years). As such, the RWMG agencies adopted a new MOU in March 2009 that clarified their roles and responsibilities through 2013. Further, the RWMG convened a Watershed Planning and Outreach Workgroup in 2009 which helped to identify the role of watershed groups within the IRWM program. This effort resulted in adoption of a Watershed Policy by the RAC that outlines how watershed groups can affect the project solicitation and selection process through timely input. **Task 3-2 in the Work Plan** provides the Region a new opportunity to discuss long-term governance and financing options to sustain the IRWM program over time.
- **Implement and update (as needed) a Public Outreach Plan that ensures key stakeholders and affected parties are informed and engaged in IRWM planning and implementation.** The RWMG recognized the need to maintain an active public outreach program, targeting disadvantaged communities and environmental justice concerns. Identification of and engagement with these communities is critical to adequately characterizing and addressing their needs. The *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan* was approved in 2007 and updated in 2009 to provide a timeline for soliciting active participation and representation on behalf of disadvantaged communities. The RWMG has implemented the recommended outreach and involvement methods outlined in the plan, including bi-monthly RAC meetings, public workshops, a Speakers Bureau, targeted DAC and tribal outreach, press releases, and other means. Specific outreach has been conducted to local organizations (i.e., San Diego CoastKeeper, Environmental Health Coalition for Water, and Rural Communities Assistance Corporation) to identify solutions to DAC and environmental health concerns. Special consideration is given in the project prioritization process to projects that

address the critical water supply and water quality needs of DACs and environmental justice communities. **Task 1-4 in the Work Plan** includes ongoing outreach and coordination with DACs and environmental justice organizations, articulation of their water management issues and needs for the IRWM Plan Update, and planning and engineering support for water management projects that address those needs. This effort is intended to directly address DWR's Statewide Priority "Ensure Equitable Distribution of Benefits" but providing funding for both outreach and technical support. Further, **Task 1-5 in the Work Plan** involves ongoing outreach and involvement by stakeholders and the general public through workshops, newsletters, and a Speakers Bureau.

- **Establish a regional, web-based system for sharing, disseminating and supporting the analysis of water management data and information.** One of the issues limiting effective water management in the Region is the difficulty in developing and maintaining a comprehensive set of water management data and information. The RWMG developed and launched with program website ([www.sdirwmp.org](http://www.sdirwmp.org)) as an interim source of water resources data and information. The RWMG, in collaboration with the Regional Board, has also developed a project proposal for a web-based system that will act as a central clearinghouse for water management data and information. That project proposal – which includes tasks soliciting stakeholder input on data management needs, convening a technical workgroup to oversee key data management tasks (e.g., review and update of regional data gaps, identification of strategies for addressing them, development of a centralized system for accessing data, etc.), developing baseline standards for integrating and assessing water management data and information, and developing a centralized, web-based system for providing public access to key water management data sets – has been submitted to the regional prioritization process for consideration in the Prop 84 Implementation Grant application.
- **Complete a needs assessment and develop recommendations for addressing existing deficiencies in the technical and scientific foundation of San Diego Basin Plan beneficial uses and water quality objectives.** The RWMG and RAC have identified resolving deficiencies in the San Diego Basin Plan as a major need for the Region. Filling the existing gaps in knowledge and data related to the link between beneficial uses and water quality objectives will provide a sound basis for improved decision-making and will allow for improved water quality. As such, the RWMG is spearheading development of a White Paper on Collaboration with the Regional Board (see **Task 2-1 in the Work Plan**). The RWMG seeks to explore the extent to which IRWM programs can partner with Regional Boards to achieve greater regulatory certainty and the opportunity for working together to address issues with beneficial uses and water quality objectives. Thoroughly reviewing the technical and scientific basis for specific use designations and standards established under the Basin Plan will allow an open dialogue with IRWM stakeholders on the validity of established water quality standards. By partnering with the Regional Board, IRWM stakeholders will come away with understanding and agreement about what improvements and updates can be accomplished together.
- **Complete an updated assessment of local water management plans to ensure effective and upfront input from these plans during all phases of IRWM planning and implementation. Where planning deficiencies are identified, address these deficiencies as part of the IRWMP update process.** The RWMG and RAC sought to incorporate extensive water resource planning conducted throughout the San Diego Region into the IRWM Plan. To ensure that all sub-regional water-related planning efforts inform and guide IRWM planning, the RWMG will conduct a planning study on water management and land use planning in the IRWM Plan Update (see **Task 2-4 of the Work Plan**). This task will involve an updated assessment of water management plans in the region, as well as acknowledgement and resolution of any inconsistencies with the IRWM Plan and local land use plans. The study will include a description of how the San Diego region can practice integrated land use and watershed management, including timely planning for water supply and wastewater improvements, provision of recycled water supply to large-scale irrigators, coordinated flood management and stormwater capture, enhanced habitat protection and restoration, and improved practices for protecting ground and

surface water quality. The results of this planning study will be incorporated into the IRWM Plan Update.

- **Revise the IRWM Plan and publish the Second Edition of the San Diego IRWM Plan.** The 2007 San Diego IRWM Plan is the result of an unprecedented integrated, regional approach to water planning in San Diego County, and presents a significant milestone in IRWM planning for water management agencies and stakeholders Region-wide. Recognizing that planning at a regional scale is a time- and resource-intensive process, the RAC and RWMG have identified several areas which will require additional attention prior to achieving a fully integrated, regional approach to water management. Further, the RWMG, RAC, and stakeholders are committed to maintaining this IRWM Plan as a living document that will continue to evolve and adapt to respond to the Region's changing needs. The **Work Plan** that follows this **Background Setting** outlines the activities necessary for completing a second edition of the San Diego IRWM Plan.

**Table 3: Implementation of Short-Term Priorities**

Short-Term Priority	Implementation Actions
Implement priority projects and programs that support the Region's IRWM goals and objectives	The Region submitted a successful \$25 million Proposition 50 Implementation Grant Proposal A Proposition 84-Round 1 Implementation Grant Proposal is under development
Formally establish a long-term institutional structure to guide the ongoing development and implementation of the San Diego IRWM Plan	The Region made a consensus decision to retain the existing RWMG/RAC structure until the IRWM Plan Update <b>Task 3-2 in the Work Plan</b> involves deliberation of long-term governance and financing structures
Implement and update (as needed) a Public Outreach Plan that ensures key stakeholders and affected parties are informed and engaged in IRWM planning and implementation	A <i>Public Outreach and Disadvantaged &amp; Environmental Justice Community Involvement Plan</i> was approved in 2007 and updated in 2009 <b>Task 1-4 in the Work Plan</b> includes ongoing outreach and coordination with DACs and environmental justice organizations <b>Task 1-5 in the Work Plan</b> involves ongoing outreach and involvement by stakeholders and the general public
Establish a regional, web-based system for sharing, disseminating and supporting the analysis of water management data and information	San Diego IRWM website ( <a href="http://www.sdirwmp.org">www.sdirwmp.org</a> ) was launched as a source of water resources information San Diego IRWM project database ( <a href="http://irwm.wrime.com/sdirwm/login.php">http://irwm.wrime.com/sdirwm/login.php</a> ) was launched as a clearinghouse for water management projects The RWMG, in collaboration with the Regional Board, has developed a project proposal for a web-based Regional Water Data Management system
Complete a needs assessment and develop recommendations for addressing existing deficiencies in the technical and scientific foundation of San Diego Basin Plan beneficial uses and water quality objectives	<b>Task 2-1 in the Work Plan</b> involves development of a <i>White Paper on Collaboration with the Regional Board</i> to address water quality in the Region
Complete an updated assessment of local water management plans to ensure effective and upfront input from these plans during all phases of IRWM planning and implementation. Where planning deficiencies are identified, address these deficiencies as part of the IRWMP update process	<b>Task 2-4 of the Work Plan</b> comprises a planning study on water management and land use planning in the IRWM Plan Update, including an updated assessment of water management plans
Revise the IRWM Plan and publish the Second Edition of the San Diego IRWM Plan	The <b>Work Plan</b> in this proposal outlines the activities necessary for completing a San Diego IRWM Plan Update

## Implementation Actions for Long-Term Priorities

The three long-term Plan priorities are being implemented over time through ongoing maintenance and expansion of the IRWM program.

- Maintain an effective institutional structure.** As described above, the RAC indicated support in December 2007 for the existing institutional structure and the RWMG agreed to commit funding support through the Proposition 84 planning grant (approximately 2 fiscal years). However, this discussion needs to be revisited, along with discussion of long-term program financing. **Task 3-2 of the Work Plan** provides for a facilitated discussion and determination of long-term governance. Once the preferred long-term institutional structure has been defined and established, the structure shall be maintained beyond the State's grant program.
- Maintain public involvement.** Maintaining engagement and involvement by DACs is critical to ensuring that ongoing Plan implementation continues to meet the Region's changing needs. A long-term priority for the IRWM planning process is the continued engagement and involvement by the general public as well as individual advocates and advocacy organizations for traditionally underrepresented communities. Throughout the IRWM Plan Update process, the RWMG will actively seek involvement from stakeholders, the general public, DACs, and tribal representatives.
- Achieve goals and objectives.** The Regional goals and objectives represent the fundamental drivers for water resource projects in support of the Plan. Implementation of the Region's water management projects, both with and without IRWM grant funding, allow the Region to address the issues and conflicts outlined above. The measurable targets presented in the IRWM Plan provide a mechanism for measuring the Region's progress toward addressing the objectives and achieving this long-term priority.

## Regional Benefits

Implementation of the 2007 San Diego IRWM Plan has helped achieve an unprecedented improvement in coordination among water retailers, wastewater and recycled water purveyors, stormwater managers, flood agencies, watershed groups, and many other stakeholders within the region. The IRWM program has helped to build trust and improve communication among players within the water industry, including those who have historically been at odds. As described in the 'Water-Related Objectives and Conflicts' section above, the relationships developed among RWMG and RAC members has led to collaboration addressing controversial issues and projects (e.g., IPR and desalination). Through all of its planning and coordination activities, the IRWM program has helped to facilitate implementation of projects and programs that contribute to the designated IRWM Plan goals of: developing reliable water supplies, protecting and enhancing water quality, providing stewardship of our natural resources, and increasing coordination and integration of water management planning.

As documented in **Section F of the IRWM Plan**, implementation of the IRWM Plan and its water resources projects will result in many long-term regional benefits: water quality improvement, ecosystem improvement, fish and wildlife enhancement, flood control enhancement, erosion control enhancement, public safety enhancement, recreation and public access enhancement, enhanced of water supply reliability, reduced wastewater discharges, improved water management coordination, enhanced scientific knowledge and public understanding/awareness, and funding and economic benefits.

Table 4 summarizes these regional benefits by water management strategy. **Section H of the IRWM Plan** provides a detailed description of how implementation of the IRWM Plan will result in the benefits listed above.



**Table 4: Summary of Regional Benefits by Water Management Strategy**

Water Management Strategy	Regional Benefit															
	Water Quality Improvement	Ecosystem Improvement	Enhance Fish and Wildlife	Enhance Flood Control	Enhance Erosion Control	Enhance Public Safety	Enhance Recreation	Enhance Public Access	Water Supply Reliability	Improve Quality of Water Supply	Reduce Wastewater Discharges	Preserve Cultural Resources	Improve Water Mgt. Coordination	Enhance Scientific & Tech. Knowledge	Public Education & Awareness	Funding and Economic Benefits
Agricultural Land Stewardship	•	•	•		•					•		•				•
Agricultural Water Use Efficiency	•	•	•						•		•		•	•	•	•
Groundwater Management	•					•			•	•			•	•		•
Conjunctive Use						•			•	•			•	•		•
Conveyance						•			•	•			•			•
Seawater Desalination						•			•	•			•			
Potable Water Treatment and Distribution						•			•	•			•			•
Economic Incentives	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ecosystem restoration	•	•	•	•	•		•	•		•	•		•	•	•	•
Ecosystem preservation	•	•	•	•	•		•	•		•	•		•	•	•	•
Env. and habitat protection and improvement	•	•	•	•	•		•	•		•	•		•	•	•	•
Wetlands enhancement and creation	•	•	•	•	•		•	•		•	•		•	•	•	•
Floodplain Management		•		•	•	•	•	•					•	•		•
Groundwater Aquifer Remediation	•	•				•			•	•			•	•		•
Matching Quality to Use	•												•			•
Pollution Prevention	•	•	•			•	•			•	•		•	•	•	•
Water quality protection and improvement	•	•	•			•	•			•	•		•	•	•	•
Wastewater treatment <sup>1</sup>	•	•	•			•	•			•	•		•	•	•	•
Recharge Area Protection		•	•	•				•	•	•		•	•			•
Recycled Water									•		•		•			•
Regional Surface Storage	•		•	•		•	•	•	•	•			•	•		•
Reoperation and Reservoir Management	•		•	•		•	•	•	•	•			•	•		•
Urban Land Use Management	•	•	•	•	•	•	•				•	•	•		•	•
Urban Runoff Management	•	•	•		•	•	•				•		•	•	•	•
Urban Water Use Efficiency	•	•	•						•		•		•	•	•	•
Water Transfers									•	•			•			•
Water-Dependent Rec. and Public Access	•					•	•	•					•		•	•
Watershed Management and Planning	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Project-specific and/or programmatic environmental compliance processes (CEQA, and if applicable NEPA) will evaluate the significance of the impacts. Impacts concluded as being significant must be mitigated to a level of non-significance (unless the lead agency makes findings of overriding consideration).

### Inter-Regional Benefits and Impacts

Implementation of IRWM projects addressing water conservation, groundwater, water transfer, desalination, and recycled water are projected to result in a decreased demand for State Water Project (SWP) and Colorado River supplies within the next 20 years. This reduction in imported water need, in

concert with other Statewide programs, will help implement objectives established as part of the CALFED Bay Delta Program. Reducing the Region's dependence on imported water will also result in inter-regional benefits associated with reductions in capacity and flows within the SWP, Colorado River Aqueduct, and Metropolitan conveyance, treatment, and storage facilities.

Additionally, coordination among the Tri-County FACC will ensure that inter-regional benefits and impacts of proposed IRWM projects are considered. Collaboration among the San Diego, Upper Santa Margarita, and Orange County Regions through the Tri-County FACC will result in implementation of projects and programs that are mutually beneficial for water managers throughout the Funding Area. As above, potential negative impacts associated with this collaboration are limited to construction-related impacts associated with individual projects. However, project-specific and/or programmatic environmental compliance processes will mitigate those impacts.

## **K. Current IRWM Plan Standards**

The San Diego IRWM Plan is organized in accordance with the IRWM Plan Standards established in DWR's Proposition 50 IRWM Grant Program Guidelines (June 2007). Table 5 cross-references the new IRWM Plan Standards with relevant sections of the San Diego IRWM Plan and identifies chapters needing revision. Exhibit C provides a detailed outline for the proposed IRWM Plan Update.

## **Sustained Regional Water Management**

The IRWM planning process builds upon existing planning authorities within the region and coalesces water management priorities across functional areas. Bringing together diverse stakeholders from different facets of water management allows the Region to understand where synergistic opportunities in program, infrastructure, and data needs exist. This understanding then enables the agencies and organizations in the Region to develop partnerships, pool resources, and incorporate increasingly holistic, sustainable approaches to existing planning and program design. Facilitating communications among planners and project proponents, the RWMG has commissioned an on-line database aimed at providing universal access to information about IRWM planning and projects in the San Diego region. This process of regional partnering is leading the Region towards a collaborative water management portfolio, wherein shared projects and programs ensure water supply reliability, improved water quality, and restored habitats.

Through the IRWM Plan Update, the Region will facilitate the sustained development of regional water management and the IRWM process. The partnerships between water retailers, wastewater agencies, stormwater managers, and environmental managers that have developed through this regional effort have created a structure for ongoing coordination. The IRWM program serves the following important regional functions:

- The IRWM Plan provides guidance on regional goals, objectives, and water management strategies to direct development and refinement of water resources projects at the local level. This ensures that local agencies are implementing projects and programs that will lead to a regional water management portfolio that fully achieves the IRWM Plan targets.
- The IRWM program (via meetings and workshops) provides a forum for members of different functional areas to interact and discuss their perspectives on critical water-related topics. This type of interaction, combined with the direction provided in the IRWM Plan, has led to new and innovative partnerships.
- The RWMG, as managing entity of the IRWM program, has the authority to prepare and submit grant applications through a variety of sources, including DWR's IRWM grant program. With project lists determined by the RWMG, RAC, and its Workgroups, these grant applications provide incentives for stakeholders to engage in critical decisions regarding the future of water management in the San Diego Region.

Each of these functions is helping to build up the San Diego IRWM program as an independent and sustained regional forum, both now and beyond the State IRWM grant funding programs.

**Table 5: San Diego IRWM Plan and the Current Plan Standards (August 2010)**

<b>IRWM Plan Standards</b>	<b>San Diego IRWM Plan (2007)</b>	<b>Revisions Needed</b>	<b>Proposed IRWM Plan Reorganization</b>
<b>Governance</b>	Section N, Stakeholder Involvement	Expand discussion of governance structure, public noticing, Plan adoption, decision-making, and collaborative process	Chapter 3, Governance and Stakeholder Involvement
<b>Region Description</b>	Section B, Region Description	Refine description of regional description based on new/updated information about the Region	Chapter 2, Region Description, Issues, and Needs
<b>Objectives</b>	Section C, Vision, Mission, Goals and Objectives	Expand discussion of process used to determine objectives	Chapter 4, Vision, Mission, Goals, and Objectives
<b>Resource Management Strategies</b>	Section D, Water Management Strategies	Expand discussion of process used to identify resource management strategies for IRWM Plan	Chapter 5, Resource Management Strategies
<b>Integration</b>	Section E, Integration of Water Management Strategies	Expand discussion of stakeholder/institutional and project integration	Chapter 6, Project Evaluation and Prioritization
<b>Project Review Process</b>	Section F, Regional Priorities	Expand discussion of project submittal, funding application prioritization, and modification	Chapter 6, Project Evaluation and Prioritization
<b>Impact and Benefit</b>	Section H, Impacts and Benefits	Expand discussion of the impacts and benefits of program implementation	Chapter 8, Framework for Implementation
<b>Plan Performance and Monitoring</b>	Section I, Evaluation of Plan Performance	Refine discussion of methods to evaluation Plan performance	Chapter 8, Framework for Implementation
<b>Data Management</b>	Section J, Data Management	Expand discussion of the IRWM data management system	Chapter 7, Data Management and Technical Analysis
<b>Finance</b>	Section K, Financing	Expand discussion of sources and certainty of funding	Chapter 8, Framework for Implementation
<b>Technical Analysis</b>	N/A	New discussion of technical information, analysis, and methods	Chapter 7, Data Management and Technical Analysis
<b>Relation to Local Water Planning</b>	Section M, Consistency with Local Plans	Expand discussion of relation to local water and flood management planning	Chapter 2, Region Description, Issues, and Needs
<b>Relation to Local Land Use Planning</b>	Section M, Consistency with Local Plans	Expand discussion of relation to local land use planning, relationships between water managers and planners, and proactive efforts to improve relationships	Chapter 2, Region Description, Issues, and Needs
<b>Stakeholder Involvement</b>	Section N, Stakeholder Involvement	Expand discussion of process used to engage stakeholders and DACs, decision-making process, and information access	Chapter 3, Governance and Stakeholder Involvement
<b>Coordination</b>	Section O, Coordination	Expand discussion of coordination with State and federal agencies, as well as Tri-County FACC partners	Chapter 3, Governance and Stakeholder Involvement
<b>Climate Change</b>	N/A	New discussion of climate change, anticipated implications and effects, and mitigation opportunities	Chapter 2, Region Description, Issues, and Needs

## IRWM Plan Standards

Table 5 (above) and Exhibit C provide a detailed outline for the proposed IRWM Plan Update. The following updates, revisions, and new information are necessary to fully meet the new Plan Standards.

### *Water Management Needs of DACs*

The San Diego Region is committed to engaging DACs and environmental justice communities in identification of water management issues, needs, and solutions within their communities. In order to do this, the RWMG needs to conduct targeted outreach to those DAC and environmental justice organizations that can help to articulate the critical water supply and water quality needs in DACs and collaborate on development of implementation projects to address those needs. **Task 1-4 in the Work Plan** includes ongoing outreach and coordination with DACs and environmental justice organizations, articulation of their water management issues and needs for the IRWM Plan Update, and planning and engineering support for water management projects that address those needs. This effort is intended to directly address DWR's Statewide Priority "Ensure Equitable Distribution of Benefits" by providing funding for both outreach and technical support.

### *Water Management Needs of Tribes*

The San Diego Region is committed to engaging tribes in identification of water management issues, needs, and solutions on their sovereign lands. In order to do this, the RWMG needs to conduct targeted outreach to tribal members that can help to characterize historical and current water management practices on tribal lands. **Task 1-5 in the Work Plan** addresses coordination with tribes in order to improve participation in the IRWM program, and ultimately, management of shared water resources. With this effort, the RWMG is committed to achieving DWR's Statewide Priority "Improve Tribal Water and Natural Resources".

### *Regional Priorities – Basin Planning*

DWR's Plan Standards requires Regions to develop both regional priorities and implementation actions to accomplish those priorities. As described in **Section G: Regional Priorities** above, the San Diego IRWM Plan includes a short-term priority to address technical and scientific deficiencies in the Basin Plan. In **Task 2-1 of the Work Plan**, the RWMG seeks to explore the extent to which IRWM programs can partner with Regional Boards to achieve greater regulatory certainty, and the opportunity for integrated regulatory solutions through working together collaboratively. Collaboration opportunities include the collection of water quality data, watershed and regulatory planning, stakeholder outreach, and other mutually beneficial endeavors to be determined in the scoping of the White Paper. By partnering with the Regional Board, IRWM stakeholders will come away with understanding and agreement about what improvements and updates can be accomplished together. The RWMG has already committed funding for the White Paper and will pursue this task prior to release of DWR's recommendations on the Planning Grants.

### *Regional Priorities – Salinity and Nutrient Planning*

DWR's Plan Standards requires Regions to develop both regional priorities and implementation actions to accomplish those priorities. As described in **Section J: Plan Implementation** above, recent adoption of the Recycled Water Policy by the State Water Resources Control Board has resulted in an urgency to develop and adopt salinity and nutrient management plans for local groundwater basins. In the IRWM Grant Program Guidelines' Statewide Priorities, DWR endorses salinity and nutrient management planning as a Statewide Priority for the IRWM program. **Task 2-2 in the Work Plan** includes development of a set of Salinity and Nutrient Management Planning Guidelines that will guide the region's stakeholders in meeting requirements set by the Recycled Water Policy, as well as funding for preparation of several individual basin plans. Understanding of the salt and nutrient loadings, sources, and reduction strategies within the local groundwater basins will support improved water resources management within the San Diego Region. Development of salinity and nutrient management plans by the San Diego Region and our Tri-County FACC partners will also fully implement Strategy 18 of the *California Water Plan Update 2009*.

### *Water Management and Land Use Planning*

In order to meet the new Plan standards, the San Diego IRWM region needs to update the discussion of consistency with regulatory plans, relation to local water and flood management planning, and relation to

local land use planning. **Task 2-3 in the Work Plan** will include assessment of water management plans within the region, linkages between water management and land use planning, and current relationships between water managers and land use planners. The study will include a description of how the San Diego region can practice integrated land use and watershed management, including timely planning for water supply and wastewater improvements, provision of recycled water supply to large-scale irrigators, coordinated flood management and stormwater capture, enhanced habitat protection and restoration, and improved practices for protecting ground and surface water quality. The results of this planning study will be incorporated into the IRWM Plan Update.

### **Integrated Flood Management**

DWR's IRWM Grant Program Guidelines' Statewide Priorities include a greater emphasis on integrated flood management. In order to do this, the RWMG will assess and define guidelines for how land use can impact watershed health. Because floodplain management can provide opportunities for better resource management (i.e., protection and improvement of ecosystem functions), these guidelines will help local land use planners to make better planning decisions. **Task 2-4 in the Work Plan** will also address opportunities to improve relationships between flood managers to implement integrated flood management. The San Diego IRWM Region will coordinate with our Tri-County FACC partners to clarify and promote integrated flood management practices, emphasizing LID techniques that store and infiltrate runoff while protecting groundwater quality. We will focus on translating the principles of integrated flood management outlined in the *California Water Plan 2009 Update* to the region's flood control efforts. The results of this planning study will be incorporated into the IRWM Plan Update.

### **Long-Term Governance**

In order to meet the new Plan Standards, the San Diego IRWM region will discuss and determine long-term governance and financing structures for the IRWM program. Although the RWMG agreed to commit funding support through the Proposition 84 planning grant (approximately 2 fiscal years), the Region must determine how to finance ongoing regional coordination and collaboration efforts even if the State's IRWM Grant program is dissolved. Topics for discussion include how the long-term governance structure addresses and ensures various activities, ensures effective decision-making, offers balanced access and opportunity for participation, and facilitates long-term implementation of the Plan's regional priorities.

**Task 3-2 of the Work Plan** outlines with scope of work necessary to determine a long-term governance and financing plan, as well as lay out a transition plan. Draft and final formal governance agreements (e.g., MOU, 501(c)(3) documentation, or joint powers agreement) will be developed to support the transition.

### **Stakeholder Involvement**

In coordination with determination of the long-term governance structure, the San Diego IRWM region must revisit and confirm our approach to stakeholder involvement. The *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan* was approved in 2007 and updated in 2009 to provide a timeline for soliciting active participation and representation on behalf of stakeholders, including DACs. The RWMG has implemented the recommended outreach and involvement methods outlined in the plan, including bi-monthly RAC meetings, public workshops, a Speakers Bureau, targeted DAC and tribal outreach, press releases, and other means. Through ongoing dialogue with the RAC and Workgroups, the Region will determine additional processes to facilitate stakeholder involvement and information access, as well as coordination with neighboring IRWM regions and State, federal, and local agencies.

Utilizing all of the stakeholder outreach methods described in **Task 1 of the Work Plan**, the San Diego IRWM program will maintain a collaborative, multi-stakeholder process that addresses the Region's unique water management issues and helps to develop multi-benefit water resources solutions in response to those issues. Coordination with the Tri-County FACC on Funding Area (inter-regional) issues, such as climate change and salinity management, will occur at Tri-County FACC meetings.

### **Inter-Regional Coordination**

In order to effectively plan and implement water management projects on watershed lands that span neighboring IRWM regions, the Region must coordinate and collaborate with the other RWMGs on the



Tri-County FACC (Upper Santa Margarita and South Orange County). As provided in DWR's Plan Standards, neighboring IRWM regions shall develop partnerships to address common issues. **Task 1-6 in the Work Plan** addresses coordination with the Tri-County FACC to coordinate planning and implementation within watershed overlay areas. The Tri-County FACC builds a foundation that ensures sustainable water resources planning within the entire Funding Area.

#### *Regional Objectives and Priorities*

In order to meet the new Plan Standards, the San Diego IRWM region must revisit and confirm the Regional goals and objectives. To the extent that funding is made available, high priority projects are then selected for implementation based on their ability to best address the Region's needs, achieve the objectives, and contribute to the measurable targets. To ensure that the IRWM Plan truly reflects regional priorities, the Region's stakeholders must engage in focused discussion of those priorities. **Task 3-4 of the Work Plan** includes an in-depth discussion and update of the short- and long-term priorities laid out in the 2007 IRWM Plan. Due to changing regulatory and physical conditions in the Region, the RWMG and RAC must define program priorities for the next 3-5 years.

As part of the IRWM Plan Update, the Region must also revisit and confirm the project prioritization process, including the project submittal process, prioritization process, funding application prioritization, and modification process. These topics will also be addressed in **Task 3-4 of the Work Plan** as they relate to the program priorities recommended by the technical workgroup.

#### *Plan Performance and Monitoring*

In order to ensure that the IRWM Plan goals and objectives are being appropriately and effectively met, the Region must revisit the Plan metrics. The metrics outline the water management improvements (such as acre-feet of new recycled water supply or acres of floodplain habitat protected) sought through implementation of the priority projects. The metrics are also the yardstick by which we measure Plan performance. In **Task 3-5 of the Work Plan**, a technical workgroup will develop a recommended list of IRWM Plan metrics that will accurately, clearly, and simply describe the region's targets. The workgroup will also clarify how the IRWM program will obtain the data necessary to measure Plan progress from project proponents and other sources.

#### *Climate Change Analysis*

In order to meet the new Plan Standards and implement DWR's Statewide Priority "Climate Change Response Actions", the San Diego IRWM region will develop a complete climate change analysis, including legislative and policy context, implications and consideration of the effects of climate change, and climate change mitigation and greenhouse gas (GHG) reduction strategies. The San Diego Region will collaborate with the San Diego Foundation, who is currently addressing climate protection along the San Diego shoreline, on identification of adaptation strategies for sea level rise, coastal flooding, storm surge, and salt water inundation. Further, we will build on the Foundation's efforts to develop GHG emissions inventory tools and trainings. The San Diego Region will also work with our Tri-County FACC partners to develop climate change analysis that is common across regions. We will develop a shared understanding of the Funding Area's vulnerability to climate impacts, as well as potential cross-jurisdictional responses. **Task 3-3 of the Work Plan** will include an evaluation of the adaptability of water management systems in the region to climate change, as well as development of the climate change analysis and GHG inventory required by DWR in the IRWM Plan Standards. This GHG Inventory will be a useful tool for the Region in understanding the regional baseline and in selecting IRWM projects that reduce regional GHG emissions. The IRWM Plan Update will place greater emphasis on projects that reduce energy consumption and shift to cleaner energy sources.

#### *IRWM Plan Update*

Following the completion of multiple planning studies within the Region, the RWMG and RAC will begin updating the IRWM Plan text to meet the new Plan Standards. Exhibit C contains a draft detailed outline for the IRWM Plan Update, which will incorporate revisions to reflect changing regulatory and physical conditions since adoption of the San Diego IRWM Plan in 2007. The IRWM Plan Update will be reorganized to improve its readability for the Region's stakeholders, while containing all of the requirements outlined in DWR's Plan Standards. **Task 3-6 in the Work Plan** provides for update of the

Plan text and production of administrative and public review drafts of the IRWM Plan Update. **Task 3-7 of the Work Plan** provides for any necessary revisions to the Plan that results from public review and production of a final IRWM Plan Update. **Task 3-8 in the Work Plan** provides for preparation of a Highlights document for distribution to stakeholders and elected officials summarizing the IRWM Plan Update.

## Work Plan

This scope of work assumes a two-year (24-month) grant contract timeframe through adoption of the IRWM Plan Update in December 2012.

### Task 1: Outreach and Communication

#### Task 1-1: RWMG Meetings and Coordination

The RWMG meets on a biweekly basis, with approximately one-half of the meetings being held via conference call and the remainder of meetings being held in person. These meetings are critical to maintaining ongoing communication among RWMG members. These meetings involve discussion of program administration, upcoming planning and funding opportunities, and facilitation of the RAC and Workgroups. This task will include continued support of the RWMG, including preparation for, facilitation of, and participation in biweekly RWMG meetings.

**Deliverables:**

- Meeting agendas, draft and final meeting notes, working materials and handouts, and conference call-in information (when necessary)

**Assumptions:**

- Approximately 75% of RWMG meetings during the contract timeframe will involve IRWM Plan Update activities. The remaining 25% of RWMG meetings will involve funding applications or administration and are not included in the proposed budget.
- Approximately 22% of the RWMG meetings from September 30, 2008 – present addressed topics for the IRWM Plan Update.
- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for RWMG meetings is part of the region's funding match.

#### Task 1-2: RAC Meetings and Coordination

The RAC meets on a bimonthly basis. These meetings are important to maintaining ongoing communication between the RWMG and the primary stakeholder group. In addition, these meetings are critical to gathering input needed from the RAC to make key program decisions. These meetings involve discussion of IRWM planning topics, regional water management issues, funding opportunities, and program recommendations. This task will include continued support of the RAC, including preparation for, facilitation of, and participation in bimonthly RAC meetings.

**Deliverables:**

- Electronic and hard copy meeting agendas and handouts, presentations (if applicable), coordination of speakers / presenters (if applicable), and draft and final meeting notes

**Assumptions:**

- Approximately 85% of the RAC meetings during the contract timeframe will involve IRWM Plan Update activities. The remaining 15% of RAC meetings will involve funding applications or administration and are not included in the proposed budget.
- Approximately 60% of the RAC meetings from September 30, 2008 – present explored topics that will be incorporated the IRWM Plan Update:

- February 11, 2009 – Water supply for agricultural resources
- August 19, 2009 – San Diego tribes and water resources
- October 14, 2009 – Climate change panel
- February 3, 2010 – Collaboration with the Regional Board
- April 7, 2010 – Land use planning and water management
- June 2, 2010 – Floodplain management; Salinity and nutrient management planning
- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for RAC meetings is part of the region's funding match.

### Task 1-3: Public Involvement

This task includes several different outreach methods to ensure that all stakeholders are being involved in the IRWM program: public workshops, a Speakers Bureau, newsletters and press releases, and other means. Building on the *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan* approved in 2007 and updated in 2009, this task establishes a framework for greater involvement in the IRWM Plan Update. Seeking not only to educate stakeholders, the RWMG will focus on activities that receive real and useful input from regional stakeholders. Emphasis will be placed on engaging and coordinating with local watershed groups during all phases of the Plan Update.

This task will include facilitation of up to ten (10) public workshops to mark IRWM Plan Update milestones held throughout San Diego County. The workshops are intended to reach out to and solicit input from stakeholders and organizations, such as watershed groups, who are unable to commit the resources to bi-monthly RAC meetings. The workshops will be distributed throughout the County and will be held at differing dates and times to ensure participation by both agency staff and other local stakeholders, including representatives from DACs. Emphasis will be placed on receiving input from stakeholders, rather than solely educating them about the IRWM program. These workshops may address the following activities:

- Revised IRWM Plan goals, objectives, and metrics (Task 3-4)
- Revised project prioritization criteria and project selection process
- Recommended governance structure, including financing and transition plans (Task 3-2)
- Climate change impact analysis, adaptation strategies, and methodology for GHG emissions inventory (Task 3-3)
- Recommendations on collaboration with the Regional Board (Task 2-1)
- Updates on salinity and nutrient management planning efforts (Task 2-2)
- Recommendations on coordination between regional flood managers (Task 2-3) and land use planners (Task 2-4)
- Call for new projects to be included within the IRWM Plan Update
- Brainstorming of integration opportunities for IRWM projects
- Release of draft IRWM Plan for public review

This task will also include the ongoing Speakers Bureau by the RWMG agencies. By request, RWQCB staff makes presentations to other groups and organizations (e.g., WURMP workgroups, City councils, environmental advocacy groups, watershed councils, etc) about the IRWM program, current activities, and upcoming funding opportunities.

**Deliverables:**

- Draft and final update of the *Public Outreach and Disadvantaged & Environmental Justice Community Involvement Plan*, including public workshops, a Speakers Bureau, newsletters and press releases, and other means
- Up to 10 public workshops, including preparation of meeting agendas and handouts, presentations (if applicable), coordination of speakers / presenters (if applicable), and draft and final meeting notes

**Assumptions:**

- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for public outreach is part of the region's funding match.

**Task 1-4: Coordination with Disadvantaged Communities**

The RWMG and RAC members will conduct ongoing outreach to DAC representatives throughout San Diego County. The RWMG will begin by refining the current list of DAC contacts to ensure that all DAC and environmental justice communities are included, from both rural and urban areas. The RWMG will then prepare for and facilitate up to six (6) meetings in DACs, targeted at coordinating directly with DAC leaders and identifying the major issues and priorities of those communities. These discussions will result in the development of a new section in the IRWM Plan Update to characterize DACs and their water management needs.

These meetings are also intended to support the DAC representatives in identifying implementation project concepts that meet their critical water supply and water quality needs. The RWMG will then facilitate development of implementation project work plans, budgets, and schedules for those priority DAC projects. This DAC outreach task will not only help the region to identify needs within the DAC areas, but it will also move the region forward in addressing those needs.

**Deliverables:**

- Up to 6 DAC outreach meetings, including preparation of draft and final agendas, presentations, handouts, and notes
- Draft and final IRWM Plan section articulating DACs and their water management needs
- Assist in development of up to 4-6 implementation project work plans, budgets, and schedules that meet critical water supply and water quality needs in DACs

**Assumptions:**

- Approximately \$5,000 in water resources engineering support per DAC implementation project developed; 30-hour level of effort per project.
- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for DAC outreach is part of the region's funding match.

**Task 1-5: Coordination with Tribes**

The RWMG and RAC members will conduct ongoing outreach to tribal representatives throughout San Diego IRWM region. The RWMG will begin by refining the current list of tribal contacts for all 18 tribes within the region. The RWMG will then prepare for and facilitate up to six (6) subregional meetings for tribal representatives (north, central, and south areas), intended to engage tribal representatives in identifying the major issues and priorities of their lands. These discussions will result in the development of a new section in the IRWM Plan Update to characterize local tribes and their water management needs.

These meetings will dovetail with the tribal outreach being conducted via the Tribal Water Summit 2009 (<http://www.waterplan.water.ca.gov/tribal2/tws/>). Based on these meetings, the RWMG will work with the tribes to develop a series of 'tribal water stories' for the San Diego region. These stories will be recorded

and compiled, uploaded to the San Diego IRWM website ([www.sdirwmp.org](http://www.sdirwmp.org)), and included within the IRWM Plan Update.

***Deliverables:***

- Up to 6 tribal outreach meetings, including preparation of draft and final agendas, presentations, handouts, and notes
- Draft and final IRWM Plan section articulating local tribes and their water management needs
- Draft and final tribal water stories for the San Diego region

***Assumptions:***

- Approximately \$25,000 in planning and production support for documentation of the tribal water stories; 150-hour level of effort.
- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for tribal outreach is part of the region's funding match.

### **Task 1-6: Coordination with Tri-County Funding Area Coordinating Committee**

The Tri-County FACC meets on approximately a bimonthly basis. These meetings are important to maintaining ongoing communication between the RWMGs of the three neighboring regions within the San Diego Funding Area. These meetings address IRWM planning topics in common across the overlay areas, as well as possible collaboration on implementation projects that address shared water supply and water quality issues. This task will include continued support of the Tri-County FACC, including preparation for and participation in bimonthly Tri-County FACC meetings. Materials prepared by the Tri-County FACC will include shared IRWM Plan Update text, maps, and graphics.

***Deliverables:***

- Action items for to San Diego RWMG agencies, including shared IRWM Plan Update chapter text, maps, and other materials

***Assumptions:***

- Approximately 85% of Tri-County FACC meetings during the contract timeframe will involve IRWM Plan Update activities. The remaining 15% of Tri-County FACC meetings will involve funding applications or administration and are not included in the proposed budget.
- All RWMG (SDCWA, City of San Diego, and County of San Diego) staff time for Tri-County FACC coordination is part of the region's funding match.

### **Task 1-7: IRWM Website Updates**

This task will include approximately monthly updates to the San Diego IRWM website ([www.sdirwmp.org](http://www.sdirwmp.org)) to maintain current meeting information and post project updates, press releases, meeting materials, and other items of interest. (Updates may occur more frequently as necessary.) Draft deliverables for the IRWM Plan Update will be uploaded for stakeholder review, including revised goals and objectives, project prioritization framework, integration opportunities, coordination with land use and flood control agencies, impacts and benefits, plan performance measures, data management, and other sections. Further, the RWMG will explore integration of discussion forum functionality into the website, for use by regional stakeholders in engaging in the IRWM program.

***Deliverables:***

- Approximately monthly updates to [www.sdirwmp.org](http://www.sdirwmp.org).



## Task 2: Planning Studies

### Task 2-1: Collaboration with Regional Board

The RWMG seeks to explore the extent to which IRWM programs can partner with Regional Water Quality Control Boards (Regional Boards) to achieve greater regulatory certainty, and the opportunity for integrated regulatory solutions through working together collaboratively. Collaboration opportunities include the collection of water quality data, watershed and regulatory planning, stakeholder outreach, and other mutually beneficial endeavors to be determined in the scoping of this White Paper.

In February 2009, the RAC discussed and brainstormed potential topics of mutual interest that could form the basis for a new partnership with the the San Diego Regional Water Quality Control Board. The following are just a few of the suggested topics:

- Basin Planning – IRWM can inform and fortify beneficial use designations and water quality objectives, build in flexibility for changing objectives (process), balance prioritization, address competing uses and discrepancies. Specifically address TDS (total dissolved solids) in recycled water, salt/nutrient management planning efforts.
- Monitoring and Assessment – Better coordination and use of monitoring data (e.g., SDRPF, Regional Board, UCSD project: SD Bay). Develop a consistent and standardized approach to data collection in collaboration with Tri-County FACC. Potential regional data portal, pooling of monitoring resources.
- IPR (Indirect Potable Reuse) – Address conflicting regulations (CDPH and RWQCB) which create costly hurdles to system expansion.
- Mitigation/MSCP (Multiple Species Conservation Program) Coordination – Need to streamline regulatory/ permitting processes, conflicting mandates.
- Landscapes and LID (Low Impact Development) – Coordinate with agencies and NGO's to get water into the ground, integrated flood management.

The proposed White Paper will explore the potential for a collaborative partnership between the San Diego IRWM program and the San Diego Regional Board to support water resources management. The study will identify how San Diego's Regional Water Quality Control Plan water quality objectives might be informed and fortified by San Diego's IRWM Plan. The target audiences for this White Paper are twofold: 1) the local RWMG and Regional Board in establishing a unique new partnership; and 2) DWR and other IRWM programs throughout the State to inform the 2013 California Water Plan and IRWM Plan Updates.

This task includes the following activities:

- Up to 5 meetings of a White Paper Workgroup to discuss key issues and conflicts, data collection and management, collaborative solutions, priority recommendations, and comments on the administrative draft White Paper
- Annotated White Paper outline, including up to three heading levels and a list of charts, tables, and figures
- Preparation of an administrative draft, draft, and final White Papers

#### ***Deliverables:***

- Up to 5 White Paper Workgroup meetings, including preparation of agendas, presentations, handouts, and notes
- Annotated White Paper outline
- Administrative draft, draft, and final White Paper

## Task 2-2: Salinity and Nutrient Management Planning

The RWMG will develop a Salinity and Nutrient Management component for the IRWM Plan Update designed to support data needs that are common across the region. The intent is to develop a set of Salinity and Nutrient Management Planning Guidelines that will guide the region's stakeholders in meeting requirements set by the State Water Resources Control Board's Recycled Water Policy. These Guidelines will then be used to conduct planning work that supports basin-specific efforts by local agencies. The resultant Salinity and Nutrient Management Plans will not only be developed in a more cost-effective manner using this approach, but will also share a common approach that will facilitate dialogue between areas regarding net benefits of potential requirements and changes in salt management practices across the region.

The initial phases of salinity and nutrient planning consist of 1) developing a regional guidance document in collaboration with the Regional Board and 2) developing 3-6 individual Salinity and Nutrient Management Plans in collaboration with basin stakeholders.

### *Salinity and Nutrient Management Guidelines*

The RWMG, in collaboration with the Southern California Salinity Coalition, will develop guidelines for salinity and nutrient planning in the San Diego region. The guidelines will be specific to the basins within the San Diego (Region 9) Regional Board jurisdiction. The guidelines will be developed in a collaborative stakeholder driven effort and should represent a consensus between the Regional Board and stakeholders in the San Diego region on how salt and nutrient management plans will be developed and approved by the Regional Board. The goal is to encourage voluntary preparation of the plans by stakeholders.

The guidelines will include background on the State Board Recycled Water Policy and intent of the guidelines to address that policy. The guidelines will address groundwater salinity and nutrient constituents of concern in the San Diego region, a general characterization of the basins, a proposed tiered approach which matches the level of effort for each basin with the degree of concern or interest, prioritization of basins within the San Diego region for development of plans, and a description of salinity management tasks to be included in the respective plans.

### *Salinity and Nutrient Management Plans*

The RWMG will provide partial funding for agencies that are ready to proceed with development of their basin-specific Salinity and Nutrient Management Plans. The RWMG intends to partially fund 3-6 individual basin plans, so long as the lead agency is committed to following the Salinity and Nutrient Management Guidelines developed by the region. These individual basin plans will involve stakeholder outreach, basin characterization, identification and quantification of salinity sources, supplemental monitoring, assessment of salinity and nutrient management strategies, and recommendations for Basin Plan amendments (if appropriate).

#### **Deliverables:**

- Draft and final Salinity and Nutrient Management Component, including *Salinity/Nutrient Management Guidelines for the San Diego Region*
- Partial funding for development of 3-6 individual Salinity and Nutrient Management Plans that are in compliance with the Guidelines

#### **Assumptions:**

- Approximately \$40,000-50,000 in planning and engineering support per individual Salinity and Nutrient Management Plan.

## Task 2-3: Water Management and Land Use Planning

The RWMG will develop a planning study for the IRWM Plan Update designed to improve regional coordination between land use planners and water managers. A collaborative effort with Task 2-4 below, this component will include:

- Updated assessment of local water management plans. This task will involve compiling and reviewing existing plans (including local water management plans, watershed plans, stormwater plans, etc.) in order to identify the key issues and priorities, and to synthesize the information to allow effective input into IRWM planning. A database summary of objectives and recommendations presented in the plans will be developed and reviewed for consistency with the 2007 IRWM Plan.
- Comparison of the summary of objectives and recommendations from local water management plans with those included within land use plans. This task will include identification, evaluation, and resolution of inconsistencies between water management plans and local land use plans (for example, lack of policy addressing low impact development in land use plans).
- Description of the relationships between various water managers in the Region, and how those water managers communicate with the land use planning community. This effort will focus on opportunities to communicate during both the planning and development review phases of the land use approval process. The study will outline proactive steps to improving these relationships in the future by leveraging the existing IRWM program.
- Description of how the San Diego region can practice integrated land use and watershed management, including timely planning for water supply and wastewater improvements, provision of recycled water supply to large-scale irrigators, coordinated flood management and stormwater capture, enhanced habitat protection and restoration, and improved practices for protecting ground and surface water quality. This section will focus on development of opportunities for coordinated planning up front, so that multiple benefits can be realized through future water management projects.
- Up to three (3) workshops targeted for land use planners and water managers will better define the process of coordinating land use approvals with water system improvements. This effort will build on and leverage efforts of existing workgroups and regional forums. These workshops will serve as a vehicle for communicating critical needs, objectives, and priorities and effectively inform and guide IRWM planning.

***Deliverables:***

- Draft and final assessment of local water management plans, including identification, evaluation, and resolution of inconsistencies between local plans and IRWM Plan
- Draft and final planning recommendations on integrated land use and watershed management, including proactive steps to improving local relationships
- 3 Water Management and Land Use Planning workshops, including preparation of agendas, presentations, handouts, and notes

## **Task 2-4: Integrated Flood Management**

Building on the work completed in Task 2-3, the RWMG will develop an Integrated Flood Management component for the IRWM Plan Update designed to improve regional flood planning and coordination throughout the region. This component will include:

- Development of guidelines for how land use can impact watershed health. Because floodplain management can provide opportunities for better resource management (i.e., protection and improvement of ecosystem functions), these guidelines will help local land use planners to make better planning decisions. This task will include assessment of opportunities for capture and reuse of flood flows, improvements in water quality, and enhancement of wildlife habitats. These guidelines will be distributed to land use planners and other interested stakeholders throughout the Region.
- Description of the relationships between various flood managers in the Region, how those flood managers communicate with other water managers, and proactive steps to improving these relationships in the future. This effort will focus on clarifying and improving the coordination

between flood managers to ensure that upstream and downstream planning efforts are coordinated and flood risks are minimized.

- Description of how the San Diego region can practice integrated flood management, including better emergency preparedness and response, improved flood protection, improved stormwater quality, and enhanced floodplain ecosystems. This section will focus on translating the principles of integrated flood management outlined in the *California Water Plan 2009 Update* to the region's flood control efforts. This task will build on the work completed to date on the San Diego County Multi-Jurisdictional Hazard Mitigation Plan (draft 2010).
- Up to three (3) workshops targeted for flood managers will better define the process of coordinating flood control activities across the region's decentralized agencies.

**Deliverables:**

- Draft and final Integrated Flood Management component, including guidelines for how land use can impact watershed health
- 3 Floodplain Management workshops, including preparation of agendas, presentations, handouts, and notes

## Task 3: IRWM Plan Update

### Task 3-1: Plan Preparation, Review, and Approval Process

The RWMG will develop a draft IRWM Plan preparation, review, and approval process. This work plan and schedule will provide the RWMG, RAC, and stakeholders with a clear 'roadmap' of how the IRWM Plan Update will be prepared and when and how they will have the opportunity to weigh in. This task also includes preparation of a draft PowerPoint presentation for use by the RWMG and RAC governing bodies in considering the IRWM Plan Update for adoption.

**Deliverables:**

- Draft and final IRWM Plan Preparation Work Plan
- Presentation for RWMG and RAC Use During Board Hearings

### Task 3-2: Long-Term Governance and Financing

This task involves working with a consultant who specializes in facilitating governance decisions. A RAC Workgroup will be established to examine long-term governance alternatives available to the San Diego IRWM region, including defining both decision-making and financing structures. This effort is intended to help the region establish a long-term governance structure that will continue regional coordination and collaboration efforts regardless of what occurs on a Statewide level. The Workgroup will develop a set of recommendations for long-term governance to present to the full RAC and RWMG for consideration. These recommendations will include governance and financing proposals (i.e., how to finance annual program administration), as well as an implementation or transition plan for moving from the existing RWMG/RAC structure to the long-term governance structure. The RWMG will then present the long-term governance recommendations to their governing bodies for discussion and approval.

**Deliverables:**

- Up to 4 meetings of a RAC Workgroup to discuss long-term governance and financing alternatives, including preparation of agendas, presentations, handouts, and notes
- Draft and final Long-Term Governance White Paper addressing recommended decision-making structure, financing program, and implementation or transition plan
- Draft and final formal governance agreements (e.g., MOU, 501(c)(3) documentation, or joint powers agreement)

### Task 3-3: Climate Change Analysis

This task involves development of the climate change analysis and greenhouse gas (GHG) inventory required by DWR in the IRWM Plan Standards. A RAC Workgroup will be established to guide development of the climate change analysis and GHG inventory. The IRWM Plan will include an evaluation of the adaptability of water management systems in the region to climate change, including water supply, wastewater, and flood control systems as required by CWC Section 10541(e)(10).

The RWMG will describe and consider the effects of climate change. The RWMG will also develop adaptation strategies relevant to the IRWM region. The RWMG will pursue “no regret” adaptations (i.e., those that made sense in light of the current water management context for the region). The IRWM Plan will contain:

- Description of the likely climate change impacts on the region
- Strategies for adapting to changes in surface runoff, recharge, and sea level rise, using the vulnerability assessment and tools
- Strategies adopted by CARB in AB 32 Scoping Plan
- Policies and procedures that promote adaptive management in response to climate change
- A project review process that explicitly states how adapting to climate change will be considered

The RWMG and project proponents will estimate GHG emissions from each project, establish significance criteria, identify project components that may support carbon sequestration, and, if applicable, explain adaptation to climate change effects.

Further, the IRWM Plan will contain a gross GHG inventory of the water management systems in the region, to help define the region’s baseline. Project-level GHG emissions assessments will be collected from California Environmental Quality Act (CEQA) and California Air Resources Board (CARB) documentation, where available. GHG emissions for all other regional facilities will be estimated based on industry standards. This GHG Inventory will be a useful tool for the Region in understanding the regional baseline and in selecting IRWM projects that reduce regional emissions.

#### ***Deliverables:***

- Up to 4 meetings of a RAC Workgroup to discuss climate change analysis, including preparation of agendas, presentations, handouts, and notes
- Draft and final Climate Change Analysis, including updates to the IRWM Plan and regional GHG Inventory

#### ***Assumptions:***

- The gross GHG inventory will address all water and wastewater plants, as well as collection and distribution systems in the region. This task is assumed to require 200 hours.

### Task 3-4: Establish IRWM Program Priorities

This task involves working with all IRWM stakeholders to define program priorities for the San Diego region in the next 3-5 years. Building on the water management needs and priorities identified by stakeholders in Task 1, The RWMG will host an IRWM Summit during the planning timeframe to brainstorm regional water management priorities and help provide greater focus for ongoing program activities. The IRWM Summit will facilitate discussion of both short- and long-term priorities by the RWMG, RAC, stakeholder groups, and elected officials in break-out group format.

Following the IRWM Summit, a Workgroup will be established to synthesize the information received from stakeholders into a concise list of program priorities for the next IRWM planning horizon. These program priorities will help facilitate the region’s discussions of project prioritization criteria, integration opportunities, and funding application prioritization. Building on our recent Integration Workshop (held to encourage integration among Proposition 84 implementation projects) and the proposed regional priorities, the Workgroup will develop an integration strategy to be implemented during future ‘Call for



Projects' when funding opportunities arise. The Workgroup will develop a set of recommendations for IRWM program priorities to present to the full RAC and RWMG for consideration.

**Deliverables:**

- IRWM Summit addressing program priorities for the San Diego region, including preparation of agendas, presentations, handouts, and notes
- Up to 4 meetings of a RAC Workgroup to discuss and recommend IRWM program priorities, including preparation of agendas, presentations, handouts, and notes
- Draft and final IRWM program priorities, including recommendations for project prioritization criteria, integration strategy, and funding application prioritization

### Task 3-5: Refine IRWM Plan Metrics

This task involves more detailed discussion and determination of the IRWM Plan metrics that are established as targets for regional implementation. The Plan metrics outline the water management improvements (such as acre-feet of new recycled water supply or acres of floodplain habitat protected) sought through implementation of the priority projects. Those Plan metrics are also used to measure our progress toward meeting the regional goals and objectives. A RAC Workgroup will be established to develop a recommended list of IRWM Plan metrics that will accurately, clearly, and simply describe the region's targets. The Workgroup will also clarify how the IRWM program will obtain the data necessary to measure Plan progress from project proponents and other sources. The Workgroup will develop a set of recommendations for IRWM Plan metrics to present to the full RAC and RWMG for consideration.

**Deliverables:**

- Up to 4 meetings of a RAC Workgroup to discuss and recommend IRWM Plan metrics and data collection process, including preparation of agendas, presentations, handouts, and notes
- Draft and final IRWM Plan Metrics

### Task 3-6: Update IRWM Plan per State Guidelines

Based on all of the work completed in Tasks 1-3 above, the RWMG will prepare an administrative draft IRWM Plan for internal review. The administrative draft IRWM Plan will contain the following sections (see attached Draft Detailed Outline):

1. Introduction
2. Region Description, Issues, and Needs
3. Governance and Stakeholder Involvement
4. Vision, Mission, Goals and Objectives
5. Resource Management Strategies
6. Integration Opportunities
7. Project Evaluation and Prioritization
8. Data Management and Technical Analysis
9. Framework for Implementation
10. References

As part of the update process, RWMG will document how the IRWM Plan Update meets State goals and priorities. The Plan Update will contain a clear description outlining the location of all content as required by DWRs' IRWM Plan Guidelines. The Plan Update will also clearly articulate steps for evaluation and measurement of Plan success.

RWMG will prepare an Administrative Draft IRWM Plan Update for internal review and coordination. RWMG agencies will agree on all proposed changes and revisions prior to public release. RWMG will then prepare a Public Review Draft IRWM Plan Update for review and consideration by the RAC and stakeholders. This task will involve one public workshop to present and discuss the draft IRWM Plan Update (see Task 1-3). We will facilitate review and discussion of the draft IRWM Plan Update with stakeholders, including collecting and compiling their comments into a comments matrix.

***Deliverables:***

- Administrative IRWM Plan, in accordance with State Guidelines
- Public Review Draft IRWM Plan
- Compiled response to comments matrix

***Assumptions:***

- RWMG will provide administrative and public review drafts to stakeholders in electronic format.

### **Task 3-7: Prepare Final IRWM Plan**

The RWMG will review comments on the Public Review Draft IRWM Plan Update, present Plan changes in response to comments, and solicit agreement from RWMG and RAC parties on the proposed changes. Based on the comments reviewed from the RAC and general public, RWMG will prepare an Administrative Final IRWM Plan Update. Following one round of revisions based on final comments, RWMG will prepare a Final IRWM Plan for presentation to the RAC and stakeholders.

***Deliverables:***

- Administrative Final IRWM Plan
- Final IRWM Plan

***Assumptions:***

- RWMG will provide administrative and final versions to stakeholders in electronic format.

### **Task 3-8: Prepare Highlights Document**

The RWMG will draft and compile a Highlights document which provides an overview of the IRWM Plan Update and related activities. The Highlights document will showcase and communicate IRWM Plan Update benefits and essentials to a lay audience, including stakeholders, governing bodies of participating agencies, and the general public. It will serve as a magazine-quality color brochure for the IRWM program and the value integrated regional planning brings to the San Diego region.

***Deliverables:***

- Draft Highlights document
- Final Highlights document

***Assumptions:***

- RWMG will provide draft and final Highlights document to stakeholders in electronic format.

### **Task 4: Proposal Administration**

This task addresses administration of the planning grant contract between SDCWA and DWR. Preparation of the contract materials, invoices and progress reports, and project performance documentation is all included.

***Deliverables:***

- Contract, invoices and progress reports, and project performance documentation



RESOLUTION No. 2007- 24

**RESOLUTION OF THE BOARD OF  
DIRECTORS OF THE SAN DIEGO COUNTY  
WATER AUTHORITY ADOPTING THE 2007  
SAN DIEGO INTEGRATED REGIONAL WATER  
MANAGEMENT PLAN**

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

WHEREAS, the 2007 San Diego IRWM Plan defines the San Diego Region as the 11 parallel and similar hydrologic units with the county that discharge to coastal water; and

WHEREAS, the San Diego IRWM Plan establishes the plan's mission, vision, goals, objectives and regional priorities; and

WHEREAS, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration and communication among governmental and non-governmental water stakeholders; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2005 Urban Water Management Plan; and

WHEREAS, having an IRWM Plan in place will position the San Diego Region to compete for funding opportunities; and

WHEREAS, the Water Authority Board of Directors is the decision-making body for the Water Authority; and

WHEREAS, adoption of the San Diego IRWM Plan by the San Diego County Water Authority Board of Directors is a required element of the San Diego Region's application for Proposition 50, Chapter 8 funding; and

WHEREAS, the Water Authority Board of Directors accepted the public review draft IRWM Plan at its July 26, 2007 meeting; and

WHEREAS, on September 19, 2007, the RAC recommended that the Water Authority Board adopt the San Diego IRWM Plan; and

WHEREAS, the Board of Directors has considered the reports submitted by Water Authority staff on IRWM planning dated February 14, 2007; May 16, 2007; July 18, 2007; and September 19, 2007.

Attachment 3, Exhibit A

NOW, THEREFORE, the Board of Directors of the San Diego County Water Authority resolves the following:

1. The foregoing facts are true and correct.
2. The Board of Directors adopts the final draft of the 2007 San Diego Integrated Regional Water Management Plan.


PASSED, APPROVED AND ADOPTED, this 25<sup>th</sup> day of October, 2007, by the following vote:

AYES: Unless noted below all Directors voted aye.

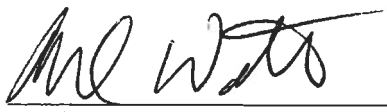
NOES:

ABSTAIN: Barrett and Pocklington

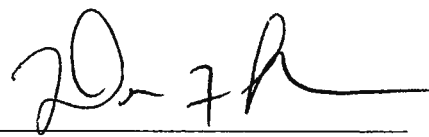
ABSENT: Brammell, Craver, Croucher, Lewinger, Martin (p), Muir,  
Petty and Price

  
\_\_\_\_\_  
Fern M. Steiner  
Chair

ATTEST:

  
\_\_\_\_\_  
Mark W. Watton  
Secretary

I, Doria F. Lore, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2007- 24 was duly adopted at the meeting of the Board of Directors on the date stated above.

  
\_\_\_\_\_  
Doria F. Lore  
Clerk of the Board



Attachment 3, Exhibit A

RESOLUTION No. 2008-01

**RESOLUTION OF THE BOARD OF  
DIRECTORS OF THE SAN DIEGO COUNTY  
WATER AUTHORITY ADOPTING THE AMENDED 2007  
SAN DIEGO INTEGRATED REGIONAL WATER  
MANAGEMENT PLAN**

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

WHEREAS, the 2007 San Diego IRWM Plan defines the San Diego Region as the 11 parallel and similar hydrologic units with the county that discharge to coastal water; and

WHEREAS, the San Diego IRWM Plan establishes the plan's mission, vision, goals, objectives and regional priorities; and

WHEREAS, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration and communication among governmental and non-governmental water stakeholders; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2005 Urban Water Management Plan; and

WHEREAS, having an IRWM Plan in place will position the San Diego Region to compete for funding opportunities; and

WHEREAS, the Water Authority Board of Directors is the decision-making body for the Water Authority; and

WHEREAS, adoption of the San Diego IRWM Plan by the San Diego County Water Authority Board of Directors is a required element of the San Diego Region's application for Proposition 50, Chapter 8 funding; and

WHEREAS, on September 19, 2007, the RAC recommended that the Water Authority Board adopt the San Diego IRWM Plan; and

WHEREAS, the Water Authority Board of Directors adopted the San Diego IRWM Plan at its October 25, 2007 meeting; and

WHEREAS, subsequent to October 25, 2007, the San Diego IRWM Plan has been amended; and

Attachment 3, Exhibit A

WHEREAS, the Board of Directors has considered the reports submitted by Water Authority staff on IRWM planning dated February 14, 2007; May 16, 2007; July 18, 2007; September 19, 2007; October 25, 2007; and January 24, 2008.

NOW, THEREFORE, the Board of Directors of the San Diego County Water Authority resolves the following:

1. The foregoing facts are true and correct.
2. The Board of Directors adopts the 2007 San Diego Integrated Regional Water Management Plan, as amended, dated January 24, 2008, and on file with the clerk of the board.

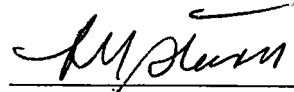
PASSED, APPROVED AND ADOPTED, this 24<sup>th</sup> day of January, 2008, by the following vote:

AYES: Unless otherwise noted, all Directors present voted aye.


NOES:

ABSTAIN:


ABSENT: Arant (p), Bowersox, Brammell, Craver, Ferguson, and Ken Williams

  
Fern M. Steiner  
Chair

ATTEST:

  
Mark W. Watton  
Secretary

I, Doria F. Lore, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2008-01\_\_\_\_\_ was duly adopted at the meeting of the Board of Directors on the date stated above.

  
Doria F. Lore  
Clerk of the Board

**RESOLUTION No. 10-002****RESOLUTION OF THE SAN DIEGO COUNTY BOARD OF  
SUPERVISORS AMENDING THE 2007 SAN DIEGO  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN**

**WHEREAS**, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

**WHEREAS**, the San Diego IRWM Plan is the foundation of long-term IRWM planning in the region, fostering coordination, collaboration, and communication among governmental and non-governmental water stakeholders; and

**WHEREAS**, carrying out the San Diego IRWM Plan and obtaining IRWM grant funding will help to achieve the County of San Diego Strategic Plan Environment Initiative; and

**WHEREAS**, the County of San Diego Board of Supervisors is the decision-making body for the County of San Diego; and

**WHEREAS**, on September 19, 2007, the RAC recommended that the RWMG governing bodies adopt the San Diego IRWM Plan; and

**WHEREAS**, the County of San Diego Board of Supervisor adopted the San Diego IRWM Plan at its November 7, 2007 meeting; and

**WHEREAS**, the RWMG would like to amend the San Diego IRWM Plan to facilitate the addition and revision of projects to the plan; and

**WHEREAS**, amendment of the San Diego IRWM Plan by the San Diego County Board of Supervisors will update the San Diego IRWM Plan in preparation for the San Diego Region's application for Proposition 84 and other potential funding; and

**NOW, THEREFORE, LET IT BE RESOLVED** that the County of San Diego Board of Supervisors resolves the following:

1. The 2007 San Diego Integrated Regional Water Management Plan is amended by the revision of the process for managing the IRWM project list as shown in Attachment 1.
2. Staff is directed to incorporate the amendment made by the resolution into the IRWM Plan.

APPROVED AS TO FORM AND LEGALITY  
COUNTY COUNSEL

BY Tom Boxworth  
COUNTY DEPUTY

Attachment 3, Exhibit A

ON MOTION of Supervisor Roberts, seconded by Supervisor Horn, the above Resolution was passed and adopted by the Board of Supervisors, County of San Diego, State of California, on this 13<sup>th</sup> day of January, 2010, by the following vote:

AYES: Cox, Jacob, Slater-Price, Roberts, Horn  
- - -

STATE OF CALIFORNIA)  
County of San Diego)<sup>SS</sup>

I hereby certify that the foregoing is a full, true and correct copy of the Original Resolution entered in the Minutes of the Board of Supervisors.

THOMAS J. PASTUSZKA  
Clerk of the Board of Supervisors

By: Nancy Vizcarra  
Nancy Vizcarra, Deputy

No. 10-002

01/13/2010 (8)



**2007 San Diego IRWM Plan****New text for Section G (Implementation):***G.5 Managing the IRWM Project List*

Periodic updates to the list of water management projects must be made as new funding opportunities arise. Updating the project list will allow additional projects to be added, as project concepts are refined to address changing conditions and needs in the Region. This opportunity also will enable the project sponsors to revise their project submittals as necessary.

The San Diego IRWM project list is included in the Plan as Appendix 5. Any sponsor may submit a project for inclusion in the Plan. The Regional Water Management Group (RWMG) will decide whether to add a submitted project to Appendix 5 after reviewing it to ensure it is consistent with the Plan. The RWMG will notify the sponsor of its decision to accept or reject a project. This structure facilitates the addition of projects to the Plan. It also makes it easier for sponsors to add or revise projects, integrate their projects with others, or add additional features so the projects provide multiple benefits.

When the RWMG decides to submit an application for a grant or other funding opportunity, it will work with the Regional Advisory Committee (RAC) to form a technical workgroup that will review the projects in Appendix 5 and recommend which to submit for funding. All grant applications, including projects proposed for funding, will be submitted to the RAC for its consideration and recommendation. The ultimate approval of the application and projects submitted for funding lies with the Board of Directors of the San Diego County Water Authority, the agency authorized to submit grant applications on behalf of the RWMG.



RESOLUTION NUMBER R- 303237DATE OF FINAL PASSAGE DEC 18 2007A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN  
DIEGO REQUESTING THAT THE MAYOR ADOPT THE SAN  
DIEGO INTEGRATED REGIONAL WATER MANAGEMENT  
PLAN

WHEREAS, the San Diego Regional Water Management Group, consisting of the City of San Diego (City), the County of San Diego (County), and the San Diego County Water Authority (Water Authority) with the close cooperation of the Regional Advisory Committee, has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance water quality, provide stewardship of natural resources and coordination and integration of water resource management in the region; and

WHEREAS, California voters in 2002 passed Proposition 50 which authorizes the allocation of \$500 million in state funds for local IRWM projects and Proposition 84 in 2006 which authorizes \$1 billion in state funds for local IRWM projects with \$91 million allocated to the San Diego region with the possibility of receiving \$100 million in any unallocated funds; and

WHEREAS, California voters passed Proposition 1E in 2006, which provides \$300 million statewide for flood management and storm water projects identified in an IRWM plan; and

WHEREAS, in 2005 the City, County and Water Authority formed, via a Memorandum of Understanding entered into by the City as authorized by the City Council in Resolution No. R-300517 on June 13, 2005, a Regional Water Management Group to create the IRWM plan and to pursue Propositions 50, 84 and 1E grant funding; and

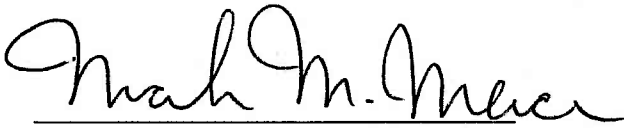
WHEREAS, the San Diego Region has prepared a package of 21 IRWM projects for Proposition 50 Round 2 grant funding, with a total state funding request of \$25 million, including 5 IRWM projects funded by the City which are eligible to receive \$5.7 million in state funding; and

WHEREAS, the IRWM Plan has been approved by the Regional Advisory Committee and the public in a thirty-day public review; and

WHEREAS, IRWM Plan must be adopted by the City, County and Water Authority by January 1, 2008 to be eligible for Proposition 50 and Proposition 84 grant funding; NOW THEREFORE

BE IT RESOLVED, that the Mayor be authorized to adopt the IRWM plan on behalf of the City.

APPROVED: MICHAEL J. AGUIRRE, City Attorney

By   
MARK M. MERCER  
Deputy City Attorney

MMM:sb  
10/25/07  
Or.Dept: Water  
R-R-2008-369

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of DEC 04 2007.

ELIZABETH S. MALAND  
City Clerk

By Mary Zumaña  
Deputy City Clerk

Approved: 12.18.07  
(date)

JSL  
JERRY SANDERS, Mayor

Vetoed: \_\_\_\_\_  
(date)

\_\_\_\_\_  
JERRY SANDERS, Mayor

# Attachment 3, Exhibit A

Passed by the Council of The City of San Diego on DEC 04 2007, by the following vote:

Council Members	Yeas	Nays	Not Present	Ineligible
Scott Peters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Faulconer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Toni Atkins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anthony Young	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brian Maienschein	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Donna Frye	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jim Madaffer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ben Hueso	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date of final passage DEC 18 2007 \* Motion to amend Proposition 50 Projects-  
13678-yea; 245-nay.

AUTHENTICATED BY:

JERRY SANDERS

Mayor of The City of San Diego, California.

ELIZABETH S. MALAND

City Clerk of The City of San Diego, California.

(Seal)

By Mary Sumaya, Deputy

Office of the City Clerk, San Diego, California

Resolution Number R-303237

**RESOLUTION OF THE SAN DIEGO COUNTY BOARD OF SUPERVISORS  
ADOPTING THE 2007 SAN DIEGO INTEGRATED REGIONAL WATER  
MANAGEMENT (IRWM) PLAN**

**WHEREAS**, the County of San Diego (County), in cooperation with the San Diego County Water Authority (Water Authority) and the City of San Diego (City) has formed a San Diego Regional Water Management Group (RWMG); and

**WHEREAS**, on December 3, 2003, the Board of Supervisors authorized County staff to apply for and accept grant funds pursuant to Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002; and

**WHEREAS**, on May 11, 2005, the Board of Supervisors authorized County staff to enter into a Memorandum of Understanding (MOU) with the Water Authority and City to develop a Proposition 50 Integrated Regional Water Management Grant Application; and

**WHEREAS**, on July 25, 2007, the Board of Supervisors authorized the first amendment to the MOU with the Water Authority and the City; and

**WHEREAS**, the RWMG, in close cooperation with a Regional Advisory Committee, has drafted the 2007 San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance water quality, provide stewardship of natural resources, and coordinate and integrate water resource management in the region; and

**WHEREAS**, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration, and communication among governmental and non-governmental water stakeholders; and

**WHEREAS**, having an IRWM Plan will position the San Diego Region to compete for funding opportunities presently available under Proposition 50, Proposition 84 (the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006), and Proposition 1E (Disaster Preparedness and Flood Prevention Bond Act of 2006); and

**WHEREAS**, the County of San Diego Board of Supervisors is the decision-making body for the County of San Diego; and

**WHEREAS**, adoption of the San Diego IRWM Plan by the San Diego County Board of Supervisors is a requirement of the San Diego Region's application for Proposition 50 and Proposition 84 funding and may become a requirement for funding under Proposition 1E and other State propositions, legislation or appropriations; and



**WIIEREAS**, on September 19, 2007, the Regional Advisory Committee recommended that the County of San Diego Board of Supervisors accept the San Diego IRWM Plan.

**NOW, THEREFORE, BE IT RESOLVED** that the County of San Diego Board of Supervisors resolves the following:

- 1) The foregoing facts are true and correct.
- 2) The Board of Supervisors adopts the 2007 San Diego Integrated Regional Water Management Plan.

APPROVED AS TO FORM AND LEGALITY  
COUNTY COUNSEL

BY   
SENIOR DEPUTY



**MEMORANDUM OF UNDERSTANDING  
FOR INTEGRATED REGIONAL WATER MANAGEMENT PLANNING AND  
FUNDING IN THE SAN DIEGO SUB-REGION FUNDING AREA**

**PARTIES:**

This Memorandum of Understanding (MOU) is entered into this 28<sup>th</sup> day of April 2009 (Effective Date) among the Parties listed below:

**1. San Diego County Regional Water Management Group (RWMG)**, hereinafter SDRWMG Planning Region Agencies, includes the following members:

CITY OF SAN DIEGO, hereinafter SD CITY; COUNTY OF SAN DIEGO, hereinafter SD COUNTY; and SAN DIEGO COUNTY WATER AUTHORITY, hereinafter SDCWA.

**2. Orange County RWMG**, hereinafter OCRWMG Planning Region Agencies, includes the following members: COUNTY OF ORANGE, hereinafter ORANGE COUNTY; MUNICIPAL WATER DISTRICT OF ORANGE COUNTY, hereinafter MWDOC; and SOUTH ORANGE COUNTY WASTERWATER AUTHORITY, hereinafter SOCWA.

**3. Riverside County Upper Santa Margarita RWMG**, hereinafter RCRWMG Planning Region Agencies, includes the following members: RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, hereinafter RCFCWCD; COUNTY OF RIVERSIDE, hereinafter RIVERSIDE COUNTY; and RANCHO CALIFORNIA WATER DISTRICT, hereinafter RCWD.

Agencies acting collectively under this agreement are the TRI-COUNTY FUNDING AREA COORDINATING COMMITTEE, hereinafter called the TRI-COUNTY FACC. The agencies also are sometimes referred to in this MOU collectively as “Parties” and individually as “Party.”

**RECITALS:**

- A. Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (Public Resources Code, sections 75020-75029), authorizes the Legislature to appropriate funding for competitive grants for Integrated Regional Water Management (IRWM) projects. Funding is administered by the Department of Water Resources (DWR).
- B. The intent of the Act is to encourage integrated regional strategies for management of water resources and to provide funding through competitive grants, for projects that protect communities from drought, protect and improve water quality, promote environmental stewardship, and improve local water security by reducing dependence on imported water.
- C. The San Diego Sub-Region, also known as the San Diego Funding Area, comprises the three Parties – the SDRWMG, OCRWMG and RCRWMG. The boundaries of the SDRWMG, OCRWMG and RCRWMG are shown in Attachment A, and coordinated through this MOU.
- D.
  1. The San Diego Sub-Region has been allocated \$91 million through Proposition 84.
  2. For the purposes of this agreement, the formula for allocating funds among the Parties will be based on a combination of land area and population as of 2007. The division of funding shall be consistent with Attachment B.
- E. DWR may establish standards to guide the selection of IRWM projects within the funding areas identified in the measure and shall defer to approved local project selection,

## Attachment 3, Exhibit B

reviewing projects only to ensure they are consistent with Public Resources Code section 75028 (a).

- F. Each Party has prepared an accepted IRWM plan and desires close coordination to enhance the quality of planning, identify opportunities for supporting common goals and projects, and improve the quality and reliability of water in the Funding Area. The Parties will coordinate and work together with their advisory groups to identify projects of value across planning regions, identify funding for highly ranked projects, and support implementation.
- G. The San Diego Funding Area will balance the necessary autonomy of each planning region to plan for itself at the appropriate scale with the need to coordinate among themselves to improve inter-regional cooperation and efficiency. By consensus, the Parties have developed an agreement to improve the IRWM planning process in the Funding Area to coordinate planning across planning region lines and facilitate the appropriation of funding for IRWM projects by DWR.
- H. The Parties will coordinate on grant funding requests to ensure that the sum of the total grant requests does not exceed the amount identified for the funding region.

The RECITALS are incorporated herein and the PARTIES hereby mutually agree as follows:

### 1. Definitions

The following terms and abbreviations, unless otherwise expressly defined in their context, shall mean:

- A. **Funding Area** – The 11 regions and sub-regions referenced in Public Resources Code section 75027(a) and allocated a specific amount of funding to support IRWM activities. The San Diego Funding Area incorporates lands in the San Diego Regional Water Quality Control Board jurisdiction as of 2004, including portions of San Diego, Orange and Riverside counties.
- B. **RWMG** –An RWMG is comprised of at least three agencies, two of which must have statutory authority over water management. An RWMG is the documented leader of IRWM planning and implementation efforts in a planning region.
- C. **Planning Region** – Planning regions integrate stakeholders, agencies and projects in their regions and coordinate with other planning regions and DWR. The boundaries of the three planning regions in the San Diego Funding Area shown in attachment A.
- D. **Tri-County Funding Area Coordinating Committee (Tri-County FACC)** –Will comprise at least one representative from each recognized RWMG in the Funding Area. The Tri-County FACC will meet periodically to discuss issues pertaining to the Funding Area and make recommendations to the RWMGs.
- E. **Watershed Overlay Areas** – Identified areas within a watershed that cross planning region boundaries. Watershed Overlay Areas will be subject to special coordination and collaboration between the appropriate planning regions to ensure maximum watershed benefits in the IRWM plans of the Funding Area. The Santa Margarita and the San Mateo Watershed Overlays are shown in Attachment A.
- F. **Watershed Overlay Subcommittee** –.The overlay subcommittee will be formed to identify projects that pertain to the watershed overlay areas and recommend them to the Tri-County FACC. The Subcommittee will comprise a representative of each Party in the watershed overlay area as well as other stakeholders agreed upon by the parties. The overlay subcommittee will meet at least twice during the update planning process to coordinate planning and project review; further meetings will occur as necessary. Meetings of the subcommittee will be open to all Tri-County FACC members.
- G. **Watershed Overlay Projects** – Projects identified in an Watershed Overlay Area identified as valuable and benefiting from cross boundary coordination.

## Attachment 3, Exhibit B

- H. **Common Programs** – Programs eligible for IRWM funding that are identified by the Tri-County FACC as benefiting the entire Funding Area and have participation from at least two Planning Regions.
- I. **Advisory Committee**– The recognized committee of stakeholders advising a planning region’s RWMG and/or governing agencies on key issues related to IRWM planning and grant applications.

### 2. General Planning Cooperation via Tri-County FACC

All planning regions will meet at least twice per year through the Tri-County FACC. The actual number of meetings will depend on the amount and intensity of planning and coordination efforts of the Planning Regions. The efforts of the Tri-County FACC will be to enhance the quality of planning, identify opportunities for supporting common goals and projects, and to improve the quality and reliability of water in the Funding Area. The planning efforts will support the watershed-based approach through integration and coordination across planning regions in the watershed overlay areas.

### 3. Mutual Plan Reference and Consistency

Each plan prepared in the funding area will contain references to the entire Funding Area, to the coordination that is occurring among planning regions, and to this MOU. Each planning region will share its description of these matters with other planning regions to promote consistency with the goal of using common language as the IRWM plans are modified. The three RWMGs also will seek to place these common sections in the same location in their plans. Further consistency or cooperative efforts may be added with the agreement of the Parties.

### 4. Coordination of Submittals and Applications

To facilitate DWR’s review process, all planning regions will coordinate their Region Acceptance Process submittals and IRWM grant applications. To the greatest extent practicable, the planning regions will develop common sections, tables and maps and place them in the same locations in their submittals and applications. The planning regions will preface their submittals and applications with information noting the common material and its location in the documents.

### 5. Watershed Overlay Areas

Through the Tri-County FACC or the overlay subcommittee, the planning regions will cooperate in identifying Overlay Projects that cross Planning Region boundaries. Overlay Projects that benefit multiple planning regions will be identified and may be jointly funded, administered, or implemented. A watershed overlay subcommittee of the Tri-County FACC will be formed for the Santa Margarita Watershed and the San Mateo Creek Watershed overlay areas as shown in Attachment A. Overlay Projects of importance to the Watershed Overlay Area planning regions would be recommended for coordination and due consideration in those Planning Regions’ project selection processes.

### 6. Common Programs

The common programs found by the Tri-County FACC to be of high value for all planning regions will be identified and recommended for high priority placement in the planning regions’ ranking of projects for funding. While each planning region will select projects in accordance with its own process, the regions will cooperate on the implementation of common projects programs if these efforts are selected for funding.



## Attachment 3, Exhibit B

### **7. Advisory Committee Cross Membership**

Each planning region with an advisory committee will invite the other advisory committees in the Funding Area to participate as a non-voting member in its committee to promote understanding, communication and coordination.

### **8. Scope of the Agreement**

Nothing contained within this MOU binds the parties beyond the scope or term of this MOU unless specifically documented in subsequent agreements, amendments or contracts. Moreover, this MOU does not require any commitment of funding beyond that which is voluntarily committed by separate board actions, but recognizes in-kind contributions of RWMG agencies and stakeholders. Non-substantive or minor changes to this MOU that have the support of all RWMG agencies may be documented to become part of this MOU.

### **9. Term of Agreement**

The term of this MOU is from its Effective Date shown above to December 31, 2014 unless extended by mutual agreement of the Parties.

### **10. Modification or Termination**

This MOU may be modified or terminated with the concurrence of the RWMG agencies and effective upon execution of the modification or termination by all the RWMG agencies.

### **11. Withdrawal**

Any PARTY may withdraw from the Tri-County FACC after giving a written 60-day notice to the other Parties.

### **12. Notice**

Any notices sent or required to be sent to any party shall be mailed to the following addresses:

#### SDRWMG Agencies

Ken Weinberg, Director of Water Resources  
San Diego County Water Authority  
4677 Overland Ave., San Diego CA 92129

Marsi Steirer, Deputy Director of Water Resources and Planning  
City of San Diego  
600 B Street, Suite 400, San Diego CA 92101

Kathleen Flannery, CAO Project Manager  
County of San Diego  
1600 Pacific Highway, Room 212, San Diego CA 92101

#### OCRWMG Agencies

Mary Anne Skorpanich, Director, OC Watersheds  
Orange County Public Works  
333 W. Santa Ana Blvd., 5<sup>th</sup> Floor, Santa Ana, CA 92701

Karl Seckel, Assistant General Manager  
Municipal Water District of Orange County  
18700 Ward Street, Fountain Valley, CA 92708

## Attachment 3, Exhibit B

Tom Rosales, General Manager  
South Orange County Wastewater Authority  
34156 Del Obispo Street, Dana Point, CA 92629

### RCRWMG Agencies

Perry Louck, Director of Planning  
Rancho California Water District  
42135 Winchester Road, Temecula, CA 92590

Mike Shetler, Senior Management Analyst  
County of Riverside  
4080 Lemon Street 4th floor, Riverside, CA 92501

Warren D. Williams  
Riverside County Flood Control and Water Conservation District  
1995 Market St. Riverside, CA 92501

### **13. Funding Uncertainties**

The RWMG agencies cannot be assured of the results of these coordination efforts and applications for funding. Nothing within this MOU should be construed as creating a promise or guarantee of future funding. No liability or obligation shall accrue to the Parties if DWR does not provide the funding. The Parties are committed to planning and coordinating notwithstanding IRWM funding. The form of such coordination may change based on the sources of funding.

### **14. Indemnification**

To the fullest extent permitted by law, each Party shall defend, indemnify and hold harmless the other Parties, their consultants, and each of their directors, officers, agents, and employees from and against all liability, claims, damages, losses, expenses, and other costs including costs of defense and attorneys' fees, arising out of or resulting from or in connection with work performed pursuant to this MOU. Such obligation shall not apply to any loss, damage, or injury, as may be caused by the sole negligence or willful misconduct of a Party, its directors, officers, employees, agents, and consultants.

### **15. Other Provisions**

The following provisions and terms shall apply to this agreement.

- A. This MOU is to be construed in accordance with the laws of the State of California. Any action at law or in equity brought by any of the Parties shall be brought in a court of competent jurisdiction in Riverside, Orange or San Diego Counties, and the parties hereto waive all provisions of law providing for change of venue in such proceedings to any other county.
- B. If any provision of this MOU is held by a court to be invalid, void or unenforceable, the remaining provisions shall be declared severable and shall be given full force and effect to the extent possible.
- C. This MOU is the result of negotiations between the parties hereto and with the advice and assistance of their respective counsels. No provision contained herein shall be construed against any Party because of its participation in preparing this MOU.
- D. Any waiver by a Party of any breach by the other of any one or more of the terms of this MOU shall not be construed to be a waiver of any subsequent or other breach of the same or of any other term hereof. Failure on the part of any of the respective Parties to require

## Attachment 3, Exhibit B

from the others exact, full and complete compliance with any terms of the MOU shall not be construed to change the terms hereof or to prohibit the Party from enforcement hereof.

- E. This MOU may be executed and delivered in any number of counterparts or copies, hereinafter called "Counterpart", by the parties hereto. When each Party has signed and delivered at least one Counterpart to the other parties hereto, each Counterpart shall be deemed an original and, taken together, shall constitute one and the same MOU, which shall be binding and effective as to the Parties hereto.
- F. This MOU is intended by the parties hereto as their final expression with respect to the matters herein, and is a complete and exclusive statement of the terms and conditions thereof. This MOU shall not be changed or modified except by the written consent of all Parties hereto.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the dates shown on the attached counterpart signature pages:

### **San Diego County agencies**

/S/     Approved March 26<sup>th</sup> 2009  
Ken Weinberg, Director of Water Resources  
San Diego County Water Authority  
4677 Overland Ave., San Diego CA 92129

/S/     Approved March 26<sup>th</sup> 2009  
John L. Snyder, Director  
Department of Public Works  
County of San Diego  
5555 Overland Ave, Bldg.2, Mailstop O332 San Diego, CA 92123

/S/     Approved April 7<sup>th</sup> 2009  
J. M. Barrett  
Director of Public Utilities  
City of San Diego  
600 B Street, Suite 400, San Diego CA 92101

### **Orange County agencies**

/S/     Approved April 28<sup>th</sup> 2009  
Chairman Pat Bates  
County of Orange Board of Supervisors  
Orange County Flood Control District  
333 W. Santa Ana Blvd., 5<sup>th</sup> Floor  
Santa Ana, CA 92701

/S/     Approved April 15<sup>th</sup> 2009  
Wayne Clark, President (Maribeth Goldsby, Secretary)  
Municipal Water District of Orange County  
18700 Ward Street  
Fountain Valley, CA 92708

## Attachment 3, Exhibit B

/S/     Approved April 2<sup>nd</sup> 2009  
Matt Disston, Chairman  
South Orange County Wastewater Authority  
34156 Del Obispo Street  
Dana Point, CA 92629

### **Riverside County agencies**

/S/     Approved April 9<sup>th</sup> 2009  
Matt Stone, General Manager  
Rancho California Water District  
42135 Winchester Road, Temecula, CA 92590

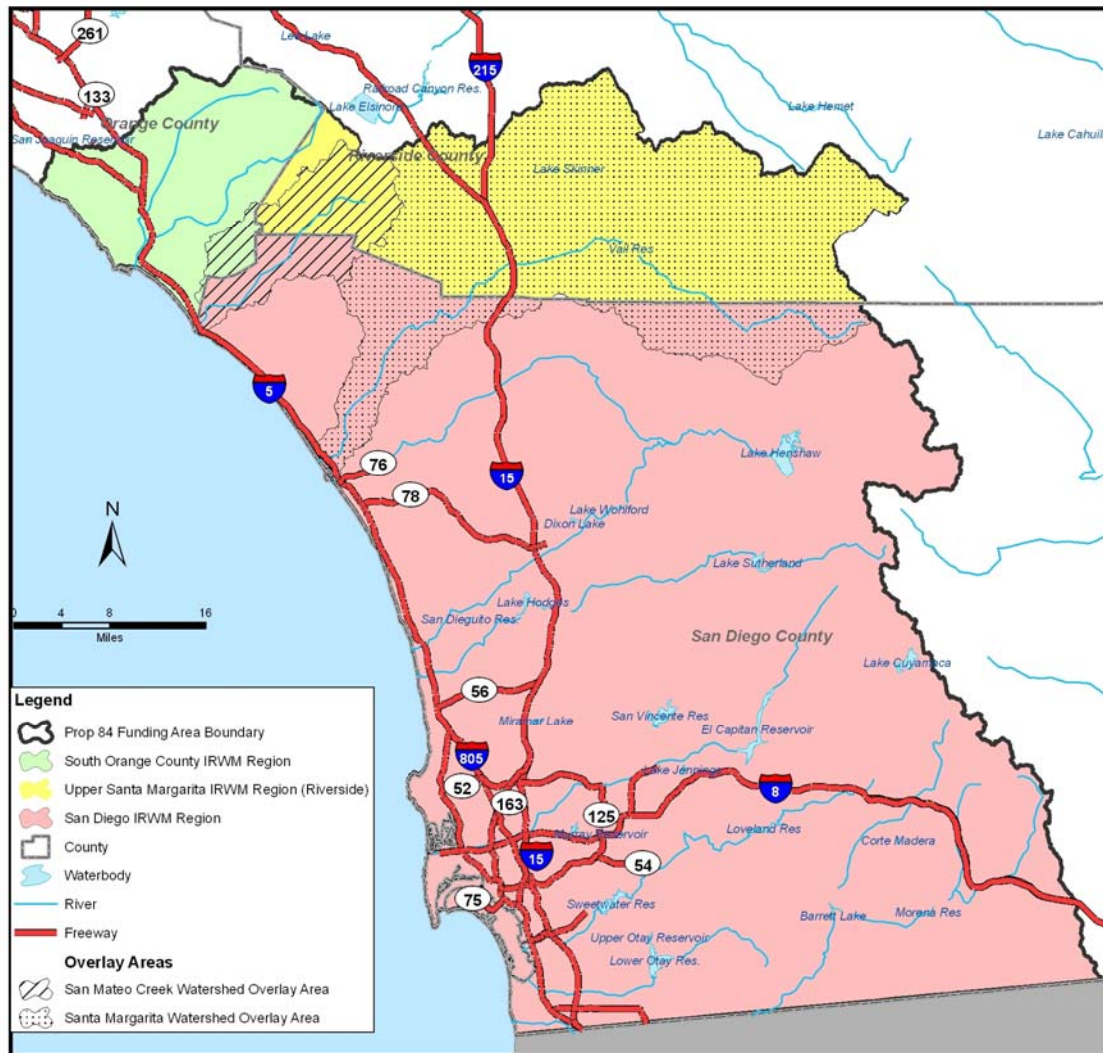
/S/     Approved March 30<sup>th</sup> 2009  
Jeff Stone, Chairman  
Supervisor Third District  
Riverside County Board of Supervisors  
4080 Lemon St.  
Riverside, CA 92501

/S/     Approved March 30<sup>th</sup> 2009  
Marion Ashley, Chairman  
Supervisor, Fifth District  
Riverside County Flood Control & Water Conservation District  
1995 Market St  
Riverside, CA 92501

## Attachment A

### Funding Area and Planning Region Boundaries with Watershed Overlay Areas

The San Diego, Orange County and Riverside County Upper Santa Margarita planning regions are of an appropriate scale to allow integrated planning and provide for proper local interaction. The creation of planning regions larger than those outlined in the map below would limit local involvement and reduce the value of the planning to the region, the funding area, and the state.





## Attachment 3, Exhibit B

### Attachment B Allocation of Proposition 84 Funds

Each of the three planning regions has IRWM project and program needs that far exceed the funding allocated to the funding area. Significant local match funding for selected projects is available in each planning region. Funding for planning and timing of implementation may vary among the planning regions. Because of these factors and because not all of the Proposition 84 funding will be made available at the same time, the Tri-County FACC members will cooperate and coordinate on individual funding cycle applications to ensure that the sum of the total grant requests does not exceed the amount identified for the funding region in any given cycle. Total allocations to the parties will be divided according to the schedule below. The allocations are based on a formula that is similar to that used to allocate funding in the Proposition 84 bond language. (Note: Proposition 84 allocates \$91 million to the San Diego Funding Area. DWR has indicated it will spend approximately 5 percent of the funds for program delivery costs. Therefore, the allocations to the three planning regions are indicated in percentages of the total funds that will be available over the life of the program.)

Planning Region	Population	Acres Area	Allocations (in % of \$ totals)		
			\$25 M on Land	\$66 M on Population	Total
Riverside Upper Santa Margarita	253,329	405,233	16.4%	6.4%	9.1%
South Orange County	597,348	168,192	6.8%	15.2%	12.9%
San Diego County	3,092,351	1,901,203	76.9%	78.4%	78%
<b>Total</b>	<b>3,943,028</b>	<b>2,474,628</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>



## Attachment 3, Exhibit C

### San Diego IRWM Plan Update Proposed Detailed Outline

2007 IRWM Plan		2010 IRWM Plan Update	
<b>A</b>	<b>Introduction and Regional Water Management Group</b>	<b>1</b>	<b>Introduction</b>
A.1	Plan Overview		Plan Overview
A.2	Regional Water Management Group		Regional Water Management Group
A.3	Addressing the Region's Water Management Challenges		Addressing the Region's Water Management Challenges
A.4	IRWM Plan Development		Overview of Stakeholder Involvement IRWM Plan Development
<b>B</b>	<b>Description of Region</b>	<b>2</b>	<b>Region Description, Issues, and Needs</b>
B.1	Defining Boundaries for the San Diego Region		Watershed and the Water Systems
B.2	Regional Overview		Internal Boundaries
B.3	Watersheds in the San Diego Region		Water Supplies and Demand
B.4	Agencies and Jurisdictions		Water Quality
B.5	Surface Water Resources		Wastewater / Recycled Water
B.6	Groundwater Resources		Stormwater Management
B.7	Environmental Resources		Flood Management
B.8	Recreational Resources		Natural Resources
B.9	Water Supply Infrastructure		Social and Cultural Make-up
B.10	Water Demand and Supply Diversification		Major Water Related Issues and Conflicts
<b>M</b>	<b>Consistency with Local Plans</b>		IRWM Regional Boundary
M.1	Water Management Planning in the San Diego Region		Neighboring and/or Overlapping IRWM Efforts
M.2	Consistency with Regulatory Plans		Water Management Planning in the San Diego Region
M.3	Consistency with Local Water Management Plans		Consistency with Local Plans
M.4	Consistency with Local Land Planning		<i>Consistency with Regulatory Plans</i>
			<i>Relation to Local Water Planning</i>
			<i>Relation to Local Land Use Planning</i>
			<i>Linkages Between Water Management and Land Use Planning</i>
			<i>Current Relationships Between Water Managers and Land Use Planners</i>
			<i>Future Efforts to Establish Proactive Relationships</i>
			Climate Change
			<i>Legislative and Policy Context</i>
			<i>Implications of Effects of Climate Change</i>
			<i>Consideration of Effects of Climate Change</i>
			<i>Climate Change Mitigation/GHG Reductn</i>

## Attachment 3, Exhibit C

2007 IRWM Plan		2010 IRWM Plan Update	
<b>N</b>	<b>Stakeholder Involvement</b>	<b>3</b>	<b>Governance and Stakeholder Involvement</b>
N.1	Existing Management Structure and Committees		Governance
N.2	Mechanism and Processes to Facilitate Stakeholder Involvement		<i>Regional Water Management Group</i>
N.3	Future Outreach to Stakeholders		<i>Public Notice Requirements</i>
N.4	Potential Plan Implementation Obstacles		<i>Plan Adoption</i>
			<i>Chosen Governance Structure</i>
			<i>How Governance Addresses and Ensures Various Activities</i>
<b>O</b>	<b>Coordination</b>		<i>Effective Decision-Making</i>
O.1	Existing Management Structure and Committees		<i>Balanced Access and Opportunity for Participation</i>
O.2	State of California Agencies		<i>Effective Communication – Both Internal and External to the IRWM Region</i>
O.3	Federal Agencies		<i>Long-Term Implementation of IRWM Plan</i>
O.4	Integrated Coastal Water Management Plan (ICWM) Coordination		<i>The Collaborative Process Used to Establish Plan Objectives</i>
O.5	Inter-Regional Coordination with Adjacent IRWM Planning Areas		<i>Interim Changes and Formal Changes to the Plan</i>
O.6	Land Use Planning Agencies		<i>Updating or Amending the IRWM Plan</i>
			Stakeholder Involvement
			<i>Existing Management Structure and Committees</i>
			<i>Stakeholders Composition</i>
			<i>Process Used to Identify Stakeholders</i>
			<i>Processes to Facilitate Stakeholder Involvement</i>
			<i>Disadvantaged Communities</i>
			<i>Technology and Information Access</i>
			<i>Decision-Making Process</i>
			<i>Involving Stakeholders in IRWM Planning</i>
			<i>Potential Plan Implementation Obstacles</i>
			Agency Coordination
			<i>Coordination of Activities within IRWM Region</i>
			<i>Identification and Coordination with Neighboring IRWM Regions</i>
			<i>Coordination and State, Federal, and Local Agencies</i>
			<i>Coordination with Neighboring IRWM Efforts, State Agencies, and Federal Agencies</i>

## Attachment 3, Exhibit C

2007 IRWM Plan		2010 IRWM Plan Update	
<b>C</b>	<b>Vision, Mission, Goals, and Objectives</b>	<b>4</b>	<b>Vision, Mission, Goals, and Objectives</b>
C.1	Vision and Mission		Vision and Mission
C.2	Plan Goals		Goals and Objectives
C.3	Plan Objectives and Targets		<i>Determining the Objectives</i>
C.4	Challenges and Conflicts		<i>Describing the Process</i>
			<i>Goals, Objectives, and the Planning Hierarchy</i>
<b>L</b>	<b>Statewide Priorities</b>		Plan Targets
L.1	Statewide Priorities		Statewide Priorities
L.2	Conformance of Plan Objectives with Statewide Priorities		<i>Conformance of Plan Objectives with Statewide Priorities</i>
L.3	Conformance of Integrated Strategies and Projects with Statewide Priorities		<i>Conformance of Integrated Strategies and Projects with Statewide Priorities</i>
L.4	Environmental Justice Issues		<i>Environmental Justice Issues</i>
			Challenges and Conflicts
<b>D</b>	<b>Water Management Strategies</b>	<b>5</b>	<b>Resource Management Strategies</b>
D.1	Overview		Overview
D.2	Water Management Strategies Considered within IRWM Plan		Resources Management Strategies (Considered and Selected for IRWM Plan)
D.3	Strategies Selected for Inclusion in the IRWM Plan		<i>Reduce Water Demand</i>
D.4	Water Management Projects		<i>Improve Operational Efficiency and Transfers</i>
D.5	Applicability to the Region's Hydrologic Units		<i>Increase Water Supply</i>
			<i>Improve Water Quality</i>
			<i>Improve Flood Management</i>
			<i>Practice Resources Stewardship</i>
			<i>Other</i>
			Documenting the Process
			Water Management Projects
			Applicability to the Region's Hydrologic Units
<b>E</b>	<b>Integration of Water Management Strategies</b>	<b>6</b>	<b>Project Evaluation and Prioritization</b>
E.1	Overview		Overview
E.2	Water Management Strategies that Directly Address IRWM Plan Objectives		Integration
E.3	Additional Water Management Strategies Linked to Integrated Groups		<i>Stakeholder / Institutional Integration</i>
E.4	Summary of Integration Benefits		<i>Resource Management Strategy Integration</i>
			<i>Resource Management Strategies that Directly Address IRWM Plan Objectives</i>

## Attachment 3, Exhibit C

2007 IRWM Plan	2010 IRWM Plan Update
<b>F Regional Priorities</b> F.1 Short-Term and Long-Term Priorities F.2 Project Prioritization F.3 Prioritization Process Overview F.4 Funding Application Prioritization F.5 Modification Process	<i>Additional Resource Management Strategies Linked to Integrated Groups</i> <i>Project Integration</i> <i>Summary of Integration Benefits</i> Short-Term and Long-Term Priorities Project Review Process <i>Project Submittal Process Components</i> <i>Prioritization Process Overview</i> <i>Funding Application Prioritization</i> <i>Modification Process</i> Evaluation of Plan Performance Regional Priorities
<b>J Data Management</b> J.1 Data Management Objectives J.2 Existing Monitoring Efforts J.3 Data Gaps J.4 Data Management and Dissemination J.5 Support for Statewide Data Needs	<b>7 Data Management and Technical Analysis</b> Data Management <i>Data Management Objectives</i> <i>Overview of Data Needs</i> <i>Existing Monitoring Efforts</i> <i>IRWM Data Management System</i> <i>Support for Statewide Data Needs</i> Technical Analysis <i>Technical Information</i> <i>Technical Analysis and Methods</i>
<b>G Implementation</b> G.1 Implementation Overview G.2 Formulating a Long-Term Institutional Structure G.3 Implementation Action Plans for Short-Term Priorities G.4 Implementation Issues for Priority Projects  <b>H Impacts and Benefits</b> H.1 Regional Benefits H.2 Regional Impacts H.3 Inter-Regional Benefits and Impacts H.4 Objectives Requiring Regional Solution H.5 Disadvantaged Community Benefits and Impacts H.6 Benefits and Impacts to Other Resources -	<b>8 Framework for Implementation</b> Overview Implementation Action Plans for Short-Term Priorities Implementation Issues for Priority Projects  Impacts and Benefits <i>Overview of Regional Benefits</i> <i>Overview of Regional Impacts</i> <i>Benefits and Impacts of Plan Implementation</i> <i>Inter-Regional Benefits and Impacts</i> <i>Objectives Requiring Regional Solution</i> <i>Disadvantaged Community Benefits and Impacts</i> <i>Benefits and Impacts to Other Resources</i> Finance <i>Plan Financing</i>



## Attachment 3, Exhibit C

2007 IRWM Plan		2010 IRWM Plan Update
<b>K</b>	<b>Financing</b>	<i>Beneficiaries of Integrated Projects</i>
K.1	Plan Financing	<i>Sources and Certainty of Funding</i>
K.2	Beneficiaries of Integrated Projects	Plan Performance and Monitoring
K.3	Potential Funding Mechanisms for Project Implementation	<i>Methods to Evaluate Plan Performance</i>
K.4	Potential Funding Mechanisms for Operation/Maintenance	<i>Methods to Evaluate Project Performance</i>
		<i>Adaptive Management</i>
<b>I</b>	<b>Evaluation of Plan Performance</b>	
I.1	Methods to Develop Plan	
I.2	Methods to Evaluate Plan and Project Performance	
I.3	Adaptive Management	
		<b>9 References</b>
		<b>A White Paper on Collaboration with the Regional Board</b>
		<b>B Salinity and Nutrient Management Planning Guidelines</b>
		<b>C Integrated Flood Management</b>